



AUTOMOTIVE OILS

CONSTRUCTION & MINING

SPECIALITY & INDUSTRIAL



Product Handbook

PREMIUM LUBRICATION



petrogulf

Who We Are

Petro Gulf Oil Manufacturing LLC, is a leading UAE-based lubricant manufacturer, with a global footprint spanning over 30 countries. We specialize in the production of high-performance automotive, industrial, marine, aviation and specialty lubricants—engineered to meet the latest API and SAE standards.

Our products are formulated using advanced blends of synthetic, semi-synthetic, and mineral base oils to deliver optimal performance, durability, and protection across applications. We also offer a full range of specialty lubricants and greases, including multipurpose and extreme pressure (EP) types for demanding industrial environments.

With over 500 product variants and a commitment to quality and customer service, PETROGULF is trusted by businesses worldwide for reliable, technically advanced lubrication solutions.



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petrogulf®

Petrogulf Oil Manufacturing L.L.C. operates a high-tech quality control laboratory, staffed by experienced and qualified personnel, to test products using advanced blending techniques. The lab is equipped with the latest testing technology to ensure the consistent quality of our high-performance products. We continually exceed customer expectations by maintaining strict control over stock levels, machine capacities, equipment, and workforce planning to meet delivery schedules efficiently.

Our Tribology Academy provides specialized training for personnel around the world, supporting global knowledge transfer and industry best practices.

Our state-of-the-art, ISO 9001:14001:45001-certified blending plant is equipped with the latest technologies and fully automated process controls. This guarantees accurate and precise blending and packaging, enhances productivity, improves supply chain efficiency, and ensures worker safety—contributing to a greener environment.

We also operate an in-house plastic can manufacturing facility, strategically located with easy access to various UAE ports, enabling us to provide faster and more reliable service to our clients. Petrogulf Oil Manufacturing L.L.C. implements a best-in-class program for enhanced product storage and handling, delivering measurable logistics performance. All products are stored in a clean, dust-free environment for easy dispensing and convenient delivery



PETROL ENGINE OILS

Automotive

Automotive





DESCRIPTION

Petrogulf SPARK X Zenith Ultra is an advanced fully-synthetic multi-grade engine oil specifically designed to eliminate Low-Speed Pre-Ignition (LSPI) from occurring, thus ensuring that engine is running like new through exceptional wear protection, cleaning power and overall performance. It is formulated from fully-synthetic base oils and advanced additive package. It exceeds requirements of industry's highest standards and outperforms conventional oils. Recommended for high performance petrol /CNG cars, vans, SUVs and light trucks of all leading global OEMs including American, European, Korean, Japanese, Chinese and Indian origin.

KEY FEATURES & BENEFITS

- Exceptionally formulated to avoid LSPI occurring in small turbo charged direct injection (TGDI) petrol engines
- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Reduces maintenance costs by maximizing the drain intervals, resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention and the use of all-synthetic, very low volatility base oils.
- Recommended for low and high-power density and high-performance petrol /diesel/ Gasohol / CNG cars, vans, SUVs, light trucks of American, Korean, Japanese, Chinese and European OEMs
- Improves Piston Cleanliness

PERFORMANCE LEVELS

- API SQ (Approved for 0W-16, 0W-20, 0W-30)
- SQ-RC and all previous categories
- ILSAC- GF-7A for 0W-20, 0W-30 and GF 7B for 0W-16

Meets Requirements	SAE 0W-16	SAE 0W-20	SAE 0W-30	SAE 0W-40
API SQ	X	X		
ILSAC 7A		X		
API SP		X		
API SN+/6A		X		
API SN		X		
ILSAC GF 6A		X		
Chrysler MS6395		X		
FORD WSS M2C 960 A1				
FORD WSS M2C 945 A/B1				
FORD WSS M2C 961 A1				
FORD WSS M2C 946 A/B1				
FORD WSS M2C 962 A1		X		
FORD WSS M2C 947 A/B1		X		
GM DEXOS 1 GEN 3		X		
ILSAC 7B	X			

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
	0W-16	0W-20	0W-30	0W-40
SAE Grade	0W-16	0W-20	0W-30	0W-40
Kinematic Viscosity @40°C, mm ² /s	35.40	42.50	64.10	87.60
Kinematic Viscosity @100°C, mm ² /s	7.320	8.380	11.43	14.60
Viscosity Index	178	178	174	174
Density @ 15°C Kg/L	0.839	0.847	0.848	0.857
Pour Point °C	-48	-45	-45	-45
Flash Point (COC), °C	220	224	226	232
CCS Viscosity ,CP	4720	4510	5200	5400
CCS temp °C	-35	-35	-35	-35
TBN, mg KOH/g	8.0	8.0	8.0	8.0
Sulphated Ash % w/w	0.82	0.82	0.82	0.82

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	0W-16	0W-20	0W-30	0W-40
PRODUCT CODE	30149090032	30149090007	30103090008	30149090009

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.


SYNTHETIC
API SQ
PETROL ENGINE OIL

DESCRIPTION

Petrogulf SPARK X Zenith Ultra is an advanced synthetic multi-grade engine oil specifically designed to eliminate Low-Speed Pre-Ignition (LSPI) from occurring, thus ensuring that engine is running like new through exceptional wear protection, cleaning power and overall performance. It is formulated from synthetic base oils and advanced additive package. It exceeds requirements of industry's highest standards and outperforms conventional oils. Recommended for high performance petrol / CNG cars, vans, SUVs and light trucks of all leading global OEMs including American, European, Korean, Japanese, Chinese and Indian origin.

KEY FEATURES & BENEFITS

- Exceptionally formulated to avoid LSPI occurring in small turbo charged direct injection (TGDI) petrol engines
- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Reduces maintenance costs by maximizing the drain intervals, resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention and the use of all-synthetic, very low volatility base oils.
- Recommended for low and high-power density and high-performance petrol / Gasohol / CNG cars, vans, SUVs, light trucks of American, Korean, Japanese, Chinese and European OEMs
- Improves Piston Cleanliness

PERFORMANCE LEVELS

- API SQ (Approved for 5W-20, 5W-30, 10W-30)
- SQ-RC and all previous categories
- ILSAC- GF-7A for 5W-20, 5W-30 and 10W-30

Meets Requirements	SAE 5W-20	SAE 5W-30	SAE 5W-40	SAE 5W-50	SAE 10W-30	SAE 10W-40
API SQ	X	X	X		X	X
ILSAC 7A	X	X			X	
API SP	X	X	X		X	X
API SN+/6A	X	X	X		X	X
API SN	X	X	X		X	X
ILSAC GF 6A	X	X			X	X
Chrysler MS6395	X	X			X	X
FORD WSS M2C 960 A1	X					
FORD WSS M2C 945 A/B1	X					
FORD WSS M2C 961 A1		X				
FORD WSS M2C 946 A/B1		X				
FORD WSS M2C 962 A1						
FORD WSS M2C 947 A/B1						
GM DEXOS 1 GEN 3						
ILSAC 7B						



SYNTHETIC
API SQ

PETROL ENGINE OIL

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES					
SAE Grade	5W-20	5W-30	5W-40	5W-50	10W-30	10W-40
Kinematic Viscosity @40°C, mm ² /s	43.80	65.73	87.50	120.8	72.20	97.70
Kinematic Viscosity @100°C, mm ² /s	8.470	11.64	14.66	18.72	11.50	14.55
Viscosity Index	174	174	175	175	153	154
Density, @ 15°C Kg/L	0.848	0.853	0.858	0.863	0.854	0.863
Pour Point, °C	-42	-42	-42	-42	-39	-39
Flash Point (COC), °C	228	232	230	234	226	228
CCS Viscosity ,CP	5225	5300	5440	5560	5870	5760
CCS temp °C	-30	-30	-30	-30	-25	-25
TBN, mg KOH/g	8.0	8.0	8.0	8.0	8.0	8.0
Sulphated Ash % w/w	0.82	0.82	0.82	0.82	0.82	0.82

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	5W-20	5W-30	5W-40	5W-50	10W-30	10W-40
PRODUCT CODE	30103090022	30103090023	30103090024	30103090025	30103090011	30103090012

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



SP

Automotive



PRODUCT DATA SHEET

FULLY SYNTHETIC

API SP

PETROL ENGINE OIL

DESCRIPTION

PETROGULF SPARK X Zenith Plus is an advanced fully-synthetic multi-grade engine oil specifically designed to eliminate Low-Speed Pre-Ignition (LSPI) from occurring, thus ensuring that engine is running like new through exceptional wear protection, cleaning power and overall performance. It is formulated from fully-synthetic base oils and advanced additive package. It exceeds requirements of industry's highest standards and outperforms conventional oils. Recommended for high performance petrol / CNG cars, vans, SUVs and light trucks of all leading global OEMs including American, European, Korean, Japanese, Chinese and Indian origin.

KEY FEATURES & BENEFITS

- Exceptionally formulated to avoid LSPI occurring in small turbo charged direct injection (TGDI) petrol engines
- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Reduces maintenance costs by maximizing the drain intervals, resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention and the use of all-synthetic, very low volatility base oils.
- Recommended for low and high-power density and high-performance petrol / Gasohol / CNG cars, vans, SUVs, light trucks of American, Korean, Japanese, Chinese and European OEMs
- Improves Piston Cleanliness

PERFORMANCE LEVELS

- API SP (Approved for 0W-16, 0W-20, 0W-30)
- SP-RC and all previous categories
- ILSAC GF-6A (0W-20, 0W-30)
- ILSAC GF-6B (0W-16 only)

Meets Requirements	SAE 0W-16	SAE 0W-20	SAE 0W-30	SAE 0W-40
API SP	X	X		
API SN+/6A		X		
API SN		X		
ILSAC GF 6A		X		
Chrysler MS6395		X		
FORD WSS M2C 960 A1				
FORD WSS M2C 945 A/B1				
FORD WSS M2C 961 A1				
FORD WSS M2C 946 A/B1				
FORD WSS M2C 962 A1		X		
FORD WSS M2C 947 A/B1		X		
GM DEXOS 1 GEN 3		X		
FORD WSS M2C 947 A/B1		X		
GM DEXOS 1 GEN 3		X		
ILSAC 6B	X			



PRODUCT DATA SHEET

FULLY SYNTHETIC
API SP
PETROL ENGINE OIL

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
	0W-16	0W-20	0W-30	0W-40
SAE Grade	0W-16	0W-20	0W-30	0W-40
Kinematic Viscosity @40°C, mm ² /s	35.50	42.40	64.40	86.40
Kinematic Viscosity @100°C, mm ² /s	7.30	8.31	11.5	14.5
Viscosity Index	177	176	175	175
Density @ 15°C Kg/L	0.840	0.846	0.848	0.856
Pour Point °C	-48	-45	-45	-45
Flash Point (COC), °C	220	224	226	232
CCS Viscosity ,CP	4700	4500	5100	5200
CCS temp °C	-35	-35	-35	-35
TBN, mg KOH/g	8.0	8.0	8.0	8.0
Sulphated Ash % w/w	0.82	0.82	0.82	0.82

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	0W-16	0W-20	0W-30	0W-40
PRODUCT CODE	30149080032	30149080007	30149080008	30149080009

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SPARK X Zenith is an advanced synthetic multi-grade engine oil specifically designed to eliminate Low-Speed Pre-Ignition (LSPI) from occurring, thus ensuring that engine is running like new through exceptional wear protection, cleaning power and overall performance. It is formulated from fully-synthetic base oils and advanced additive package. It exceeds requirements of industry's highest standards and outperforms conventional oils. Recommended for high performance petrol / CNG cars, vans, SUVs and light trucks of all leading global OEMs including American, European, Korean, Japanese, Chinese and Indian origin.

KEY FEATURES & BENEFITS

- Exceptionally formulated to avoid LSPI occurring in small turbo charged direct injection (TGDI) petrol engines
- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Reduces maintenance costs by maximizing the drain intervals, resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention and the use of all-synthetic, very low volatility base oils.
- Recommended for low and high-power density and high-performance petrol / Gasohol / CNG cars, vans, SUVs, light trucks of American, Korean, Japanese, Chinese and European OEMs
- Improves Piston Cleanliness

PERFORMANCE LEVELS

- API SP (Approved for 5W-20, 5W-30, 5W-40)
- SP-RC and all previous categories
- ILSAC GF-6A (5W-20, 5W-30)

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
	5W-20	5W-30	5W-40	5W-50
SAE Grade	5W-20	5W-30	5W-40	5W-50
Kinematic Viscosity @40°C, mm ² /s	43.4	65.5	87.2	120.2
Kinematic Viscosity @100°C, mm ² /s	8.50	11.5	14.5	18.5
Viscosity Index	177	172	173	173
Density @ 15°C Kg/L	0.848	0.851	0.858	0.860
Pour Point, °C	-42	-42	-42	-42
Flash Point (COC), °C	228	232	230	234
CCS Viscosity ,CP	5100	5300	5400	5500
CCS temp °C	-30	-30	-30	-30
Sulphated Ash %w/w	0.82	0.82	0.82	0.82
TBN, mg KOH/g	8.0	8.0	8.0	8.0

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	5W-20	5W-30	5W-40	5W-50
PRODUCT CODE	30103080022	30103080023	30103080024	30103080025

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



PRODUCT DATA SHEET

SYNTHETIC
API SP

PETROL ENGINE OIL

DESCRIPTION

Petrogulf SPARK X Zenith Green 547 is a high-performance synthetic engine oil formulated to provide exceptional cleaning power and excellent wear protection. Petrogulf SPARK X Green 547 has been expertly formulated with low SAP additive chemistry to prolong the life and maintain the efficiency of engines emission systems of latest EURO 4 and EURO 5 engines. Petrogulf SPARK X Green 547 meets and exceeds the requirements of many leading car manufacturers standards for new modern diesel and gasoline engine passenger cars, particularly Volkswagen.

APPLICATIONS

- For all types of modern automobile engines with the latest Diesel Particulate Filters (DPF's) and Gasoline Catalytic Converters (CAT's).
- It is formulated to help deliver outstanding performance and protection in conjunction with fuel economy benefits.

KEY FEATURES & BENEFITS

PETROGULF SPARK X GREEN 547 provides:

- Low Ash Content
- Low sulphur and phosphorous content
- Active cleaning agent
- Low oil consumption
- Excellent low temperature capabilities

PERFORMANCE STANDARDS

SPARK X GREEN 547 is suitable for use as engine oil in the following OEM and International specification requirement:

- Volkswagen (Gasoline/Diesel) 504 00/ 507 00
- BMW Longlife 04
- ACEA C3 - 2010
- Porsche C 30
- MB 229.51

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
SAE Grade	5W-30
Kinematic Viscosity @40°C, mm ² /s	64.1
Kinematic Viscosity @100°C, mm ² /s	11.5
Viscosity Index	176
Density @ 15 °C Kg/L	0.8413
Pour Point °C	-48
Flash Point (COC), °C	236
CCS Viscosity, CP	5650
CSS temp °C	-30
TBN, mg KOH/g	9.0

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

SAE GRADE	5W-30
PRODUCT CODE	30106080023

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Automotive



REX

SN/SN+

DESCRIPTION

Petrogulf SPARK X Infinite is an advanced fully-synthetic multi-grade engine oil specifically designed to eliminate Low-Speed Pre-Ignition (LSPI) from occurring, thus ensuring that engine is running like new through exceptional wear protection, cleaning power and overall performance. It is formulated from fully-synthetic base oils and advanced additive package. It exceeds requirements of industry's highest standards and outperforms conventional oils. Recommended for high performance petrol / CNG cars, vans, SUVs and light trucks of all leading global OEMs including American, European, Korean, Japanese, Chinese and Indian origin.

KEY FEATURES & BENEFITS

- Exceptionally formulated to avoid LSPI occurring in small turbo charged direct injection (TGDI) petrol engines
- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Reduces maintenance costs by maximizing the drain intervals, resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention and the use of all-synthetic, very low volatility base oils.
- Recommended for low and high-power density and high-performance petrol / Gasohol / CNG cars, vans, SUVs, light trucks of American, Korean, Japanese, Chinese and European OEMs
- Improves Piston Cleanliness

PERFORMANCE LEVELS

- API SN Plus
- ILSAC -GF5 (0W-20, 0W-30)

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
	0W-20	0W-30	0W-40
SAE Grade	0W-20	0W-30	0W-40
Kinematic Viscosity @40°C, mm ² /s	42.9	62.2	86.1
Kinematic Viscosity @100°C, mm ² /s	8.57	11.3	14.5
Viscosity Index	182	178	176
Density, @ 15°C Kg/L	0.840	0.842	0.846
Pour Point, °C	-48	-48	-45
Flash Point (COC), °C	218	220	224
CCS Viscosity, CP	5100	5200	5600
CCS temp °C	-35	-35	-35
Approvals	SN PLUS	SN PLUS	SN PLUS

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	0W-20	0W-30	0W-40
PRODUCT CODE	30149070007	30149070008	30149070009

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



SYNTHETIC
API SN/SN+

PETROL ENGINE OIL

DESCRIPTION

Petrogulf SPARK X Infinite is an advanced synthetic multi-grade engine oil specifically designed to eliminate Low-Speed Pre-Ignition (LSPI) from occurring, thus ensuring that engine is running like new through exceptional wear protection, cleaning power and overall performance. It is formulated using API Gr III / Gr II synthetic base oils and advanced additive package. It exceeds requirements of industry's highest standards and outperforms conventional oils. Recommended for high performance petrol / CNG cars, vans, SUVs and light trucks of all leading global OEMs including American, European, Korean, Japanese, Chinese and Indian origin.

KEY FEATURES & BENEFITS

- Exceptionally formulated to avoid LSPI occurring in small turbo charged direct injection (TGDI) petrol engines
- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Reduces maintenance costs by maximizing the drain intervals, resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention and the use of all-synthetic, very low volatility base oils.
- Recommended for low and high-power density and high-performance petrol / Gasohol / CNG cars, vans, SUVs, light trucks of American, Korean, Japanese, Chinese and European OEMs
- Improves Piston Cleanliness

PERFORMANCE LEVELS

- API SN Plus
- ILSAC -GF5 (5W-20, 5W-30)

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
	5W-20	5W-30	5W-40	5W-50
SAE Grade	5W-20	5W-30	5W-40	5W-50
Kinematic Viscosity @40°C, mm ² /s	43.45	64.2	85.3	116.8
Kinematic Viscosity @100°C, mm ² /s	8.63	11.6	14.5	18.5
Viscosity Index	182	178	178	178
Density, @ 15°C Kg/L	0.852	0.851	0.862	0.864
Pour Point, °C	-42	-42	-42	-42
Flash Point (COC), °C	220	224	226	228
CCS Viscosity, CP	5300	5600	5500	5600
CCS temp °C	-30	-30	-30	-30
Approvals	SN PLUS	SN PLUS	SN PLUS	SN PLUS

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	5W-20	5W-30	5W-40	5W-50
PRODUCT CODE	30103070022	30103070023	30103070024	30103070025

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SPARK X Infinite is a semi synthetic multi-grade engine oil specifically designed to eliminate Low-Speed Pre-Ignition (LSPI) from occurring, thus ensuring that engine is running like new through exceptional wear protection, cleaning power and overall performance. It is formulated using API Gr III / GrII base oils and advanced additive package. It exceeds requirements of industry's highest standards and outperforms conventional oils. Recommended for high performance petrol / CNG cars, vans, SUVs and light trucks of all leading global OEMs including American, European, Korean, Japanese, Chinese and Indian origin.

KEY FEATURES & BENEFITS

- Exceptionally formulated to avoid LSPI occurring in small turbo charged direct injection (TGDI) petrol engines
- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Reduces maintenance costs by maximizing the drain intervals, resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention and the use of all-synthetic, very low volatility base oils.
- Recommended for low and high-power density and high-performance petrol / Gasohol / CNG cars, vans, SUVs, light trucks of American, Korean, Japanese, Chinese and European OEMs
- Improves Piston Cleanliness

PERFORMANCE LEVELS

- API SN Plus
- API SN, JASO MA2
- ILSAC -GF5 (10W-30)

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
	10W-30	10W-40	10W-60	15W-40
SAE Grade	10W-30	10W-40	10W-60	15W-40
Kinematic Viscosity @40°C, mm ² /s	70.8	96.2	166.2	106.5
Kinematic Viscosity @100°C, mm ² /s	11.5	14.6	22.1	14.5
Viscosity Index	157	158	159	140
Density, @ 15 °C, Kg/L	0.861	0.864	0.866	0.8731
Pour Point, °C	-39	-39	-39	-33
Flash Point (COC), °C	224	228	230	228
CCS Viscosity, CP	6025	6126	6300	5600
CCS temp °C	-25	-25	-25	-20
Approvals	SN PLUS	SN PLUS	SN PLUS	API SN

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	10W-30	10W-40	10W-60	15W-40
PRODUCT CODE	30102070011	30102070012	30102070014	30102070015

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Automotive



SN/CF

DESCRIPTION

Petrogulf SPARK X Infinite Green C3 is an advanced low SAPS (Sulfated Ash, Phosphorous & Sulfur) high technology 100% fully synthetic engine oil for light vehicles gasoline, CNG and diesel engines requiring low emission performance specification exceeding ACEA C3 and API SN. Developed to provide maximum protection for all passenger cars, MPVs, SUVs fitted with low emission engines and particulate filters, EGR and catalytic converters. Product imparted with friction modifier is available in SAE 5W-30 and SAE 5W-40 viscosity grade to provide maximum fuel saving and to meet long drain requirements. Compatible to all vehicles running on lead free gasoline.

APPLICATIONS

- All makes of light duty vehicles with natural and Turbo charged – Passenger cars, MPVs, SUVs using gasoline, CNG and diesel. Vehicles fitted with state-of-the art exhaust gas treatment system such as particulate filters, EGR and catalytic converters to meet low emission requirements
- Compatible with other engine oils but recommended not to mix in order to enhance the life of exhaust gas treatment gadgets.
- Compatible with seals and gaskets.

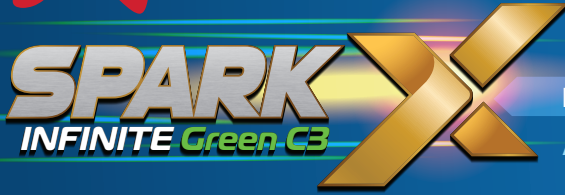
KEY FEATURES & BENEFITS

- Protects and enhance Exhaust gas treatment gadgets such as particulate filters, Catalytic converters due to low ash technology, thus suitable for low emission engines
- Increase the catalyst life because of low phosphorous level.
- Superior resistance to oil thickening/sludge formation, outstanding deposit control and improve engine life
- Outstanding fuel economy and increase oil drain interval and reduce oil top-up
- Excellent protection against wear
- Resistance to nitration and oxidation associated with gas fuels and
- Excellent low temperature easy starting, so termed as all-weather oil

PERFORMANCE LEVELS

SPARK X GREEN C3 meets and exceeds the following International specifications:

- API SN/CF
- ACEA C3-04, A3/B4 04, A5/B5 04,
- VW 502.00/505.00/505.0
- MB 229.31/ 229.51/229.52
- DEXOS 2 GM LL A/B 025
- Porsche Cars



FULLY SYNTHETIC
API SN/CF

PETROL ENGINE OIL

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
SAE Grade	5W-30
Kinematic Viscosity @40°C, mm ² /s	64.2
Kinematic Viscosity @100°C, mm ² /s	11.5
Viscosity Index	176
Density @ 15 °C Kg/L	0.8413
Pour Point °C	-42
Flash Point (COC), °C	220
Sulfated Ash % w/w	0.78
Phosphorous content m%	0.0078
CCS Viscosity, CP	5100
CCS temp, °C	-30

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	5W-30
PRODUCT CODE	30149100023

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



DESCRIPTION

Petrogulf SPARK X Infinite Green C4 is an advanced low SAPS (Sulfated Ash, Phosphorous & Sulfur) high technology 100% fully synthetic engine oil for light vehicles gasoline, CNG and diesel engines requiring low emissions performance specification exceeding ACEA C4. Developed to provide maximum protection for all passenger cars, MPVs, SUVs fitted with low emission engines and particulate filters, EGR and catalytic converters. Product imparted with friction modifier is available in SAE 5W-30 and SAE 5W-40 viscosity grade to provide maximum fuel saving and to meet long drain requirements. Compatible to all vehicles running on lead free gasoline.

APPLICATIONS

- All makes of light duty vehicles with natural and Turbo charged – Passenger cars, MPVs, SUVs using gasoline, CNG and diesel.
- Vehicles fitted with state-of-the art exhaust gas treatment system such as particulate filters, EGR and catalytic converters to meet low emission requirements
- Compatible with other engine oils but recommended not to mix in order to enhance the life of exhaust gas treatment gadgets.
- Compatible with seals and gaskets

KEY FEATURES & BENEFITS

- Protects and enhance Exhaust gas treatment gadgets such as particulate filters, Catalytic converters due to low ash technology, thus suitable for low emission engines
- Increase the catalyst life because of low phosphorous level.
- Superior resistance to oil thickening/sludge formation, outstanding deposit control and improve engine life
- Outstanding fuel economy and increase oil drain interval and reduce oil top-up
- Excellent protection against wear
- Resistance to nitration and oxidation associated with gas fuels and
- Excellent low temperature easy starting, so termed as all-weather oil

PERFORMANCE LEVELS

SPARK X GREEN C4 meets and exceeds the following International specifications:

- FIAT 9.555 35-S4
- ACEA C4-04,
- MB 226.51
- RN 0720
- Porsche Cars

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
SAE Grade	5W-30
Kinematic Viscosity @40°C, mm²/s	66.2
Kinematic Viscosity @100°C, mm²/s	11.6
Viscosity Index	172
Density @ 15 °C, Kg/L	0.8413
Pour Point °C	-42
Flash Point (COC) , °C	230
Sulfated Ash, % w/w	0.50
CCS Viscosity, CP	5050
CCS temp °C	-30

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	5W-30
PRODUCT CODE	30105100023

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Automotive



DESCRIPTION

Petrogulf SPARK X Infinite is a synthetic engine oil specifically designed that engine is running like new through exceptional wear protection, cleaning power and overall performance. It is formulated using high quality API approved synthetic base oils and advanced additive package. It exceeds requirements of industry's highest standards and outperforms conventional oils. Recommended for high performance petrol / diesel / CNG cars, vans, SUVs and light trucks of all leading global OEMs including American, European, Korean, Japanese, Chinese and Indian origin.

KEY FEATURES & BENEFITS

- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Reduces maintenance costs by maximizing the drain intervals, resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention and the use of all-synthetic, very low volatility base oils.
- Recommended for low and high-power density and high-performance petrol / Gasohol / CNG cars, vans, SUVs, light trucks of American, Korean, Japanese, Chinese and European OEMs
- Improves Piston Cleanliness

PERFORMANCE LEVELS

- API SN
- JASO MA2

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
SAE Grade	20W-50
Kinematic Viscosity @40°C, mm ² /s	161.3
Kinematic Viscosity @100°C, mm ² /s	18.58
Viscosity Index	130
Density, @ 15°C Kg/L	0.8752
Pour Point, °C	-27
Flash Point (COC) °C	240
CCS Viscosity, CP	6660
CCS temp °C	-15
Approvals	API SN

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

SAE GRADE	20W-50
PRODUCT CODE	30101060017

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Automotive

SM



SYNTHETIC
API SM

PETROL ENGINE OIL

DESCRIPTION

Petrogulf SPARK X Legend is synthetic base multi-grade gasoline engine oil used in petrol / CNG turbocharged direct injection and multi-valve engines, recommended for most severe driving conditions such as motorways and dense city traffic. The advanced additive package neutralizes corrosive particles by preventing them from grouping together forming power-robbing sludge. It is highly shear-stable & its proprietary formula helps your vehicle to maintain maximum horse power by reducing harmful deposit formation.

KEY FEATURES & BENEFITS

- Fuel saving and extended drain capability
- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Reduces maintenance costs by maximizing the drain intervals, resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Excellent oil thickness retention under severe high temperature operating conditions and the use of all-synthetic, very low volatility base oils.
- Catalyst compatible with reduction in emission.

PERFORMANCE LEVELS

- API SM, JASO MA2
- ACEA A3/B3, A3/B4

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
	5W-20	5W-30	5W-40
SAE Grade	5W-20	5W-30	5W-40
Kinematic Viscosity @40°C, mm ² /s	44.2	64.7	88.2
Kinematic Viscosity @100°C, mm ² /s	8.36	11.2	14.5
Viscosity Index	168	167	171
Density, @ 15°C Kg/L	0.852	0.856	0.858
Pour Point, °C	-45	-45	-42
Flash Point (COC), °C	222	224	230
CCS Viscosity, CP	5300	5600	6000
CCS temp °C	-30	-30	-30
Approvals	API SM	API SM	API SM

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	5W-20	5W-30	5W-40
PRODUCT CODE	30103050022	30103050023	30103050024

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SPARK X Legend is semi synthetic base multi-grade gasoline engine oil used in petrol / CNG turbocharged direct injection and multi-valve engines, recommended for most severe driving conditions such as motorways and dense city traffic. The advanced additive package neutralizes corrosive particles by preventing them from grouping together forming power-robbing sludge. It is highly shear-stable & its proprietary formula helps your vehicle to maintain maximum horse power by reducing harmful deposit formation.

KEY FEATURES & BENEFITS

- Fuel saving and extended drain capability
- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Reduces maintenance costs by maximizing the drain intervals, resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Excellent oil thickness retention under severe high temperature operating conditions and the use of all-synthetic, very low volatility base oils.
- Catalyst compatible with reduction in emission.

PERFORMANCE LEVELS

- API SM, JASO MA2
- ACEA A3/B3, A3/B4

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
SAE Grade	10W-30	10W-40
Kinematic Viscosity @40°C, mm ² /s	68.5	96.1
Kinematic Viscosity @100°C, mm ² /s	11.44	14.60
Viscosity Index	162	158
Density, @ 15°C Kg/L	0.860	0.864
Pour Point, °C	-36	-36
Flash Point (COC), °C	226	228
CCS Viscosity, CP	6200	6300
CCS temp °C	-25	-25
Approvals	API SM	API SM

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	10W-30	10W-40
PRODUCT CODE	30102050011	30102050012

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SPARK X Legend is mineral base multi-grade gasoline engine oil used in petrol / CNG turbocharged direct injection and multi-valve engines, recommended for most severe driving conditions such as motorways and dense city traffic. The advanced additive package neutralizes corrosive particles by preventing them from grouping together forming power-robbing sludge. It is highly shear-stable & its proprietary formula helps your vehicle to maintain maximum horse power by reducing harmful deposit formation.

KEY FEATURES & BENEFITS

- Extended drain capability
- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition
- Resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions
- Protects against start up wear through exceptional low temperature fluidity
- Excellent oil thickness retention under severe high temperature operating conditions
- Catalyst compatible with reduction in emission

PERFORMANCE LEVELS

- API SM, JASO MA2
- ACEA A3/B3, A3/B4

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
SAE Grade	15W-40
Kinematic Viscosity @40°C, mm ² /s	106.8
Kinematic Viscosity @100°C, mm ² /s	14.55
Viscosity Index	140
Density, @ 15°C Kg/L	0.8731
Pour Point °C	-33
Flash Point (COC), °C	230
CCS Viscosity, CP	5700
CCS temp °C	-20
Approvals	API SM

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	15W-40
PRODUCT CODE	30101050015

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SPARK X Legend is mineral base multi-grade gasoline engine oil used in petrol / CNG turbocharged direct injection and multi-valve engines, recommended for most severe driving conditions such as motorways and dense city traffic. The advanced additive package neutralizes corrosive particles by preventing them from grouping together forming power-robbing sludge. It is highly shear-stable & its proprietary formula helps your vehicle to maintain maximum horse power by reducing harmful deposit formation.

KEY FEATURES & BENEFITS

- Extended drain capability
- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Excellent oil thickness retention under severe high temperature operating conditions
- Catalyst compatible with reduction in emission.

PERFORMANCE LEVELS

- API SM, JASO MA2
- ACEA A3/B3, A3/B4

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
SAE Grade	20W-50
Kinematic Viscosity @40°C, mm ² /s	161.6
Kinematic Viscosity @100°C, mm ² /s	18.60
Viscosity Index	130
Density, @ 15°C Kg/L	0.8755
Pour Point °C	-27
Flash Point (COC), °C	240
CCS Viscosity, CP	6700
CCS temp °C	-15
Approvals	API SM

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	20W-50
PRODUCT CODE	30101050017

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



SL

Automotive

PEO API SL


SEMI SYNTHETIC
API SL
PETROL ENGINE OIL

DESCRIPTION

Petrogulf SPARK X Platinum is a high-performance semi synthetic multi-grade gasoline engine oil formulated to provide a higher level of protection and performance in passenger car gasoline engines operating under all service conditions. It prolongs engine life with effective anti-wear additive & enhances engine performance to lower oil consumption & reduce maintenance costs.

KEY FEATURES & BENEFITS

- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention

PERFORMANCE LEVELS

- API SL, SJ/CF, JASO MA2
- ACEA A3/B3/B4

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
SAE Grade	10W-30	10W-40
Kinematic Viscosity @40°C, mm ² /s	68.40	95.90
Kinematic Viscosity @100°C, mm ² /s	11.40	14.58
Viscosity Index	161	158
Density, @ 15°C Kg/L	0.860	0.862
Pour Point °C	-36	-36
Flash Point (COC), °C	224	226
CCS Viscosity, CP	6100	6200
CCS temp °C	-25	-25

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	10W-30	10W-40
PRODUCT CODE	30102040011	30102040012

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SPARK X Platinum is a high-performance mineral multi-grade gasoline engine oil formulated to provide a higher level of protection and performance in passenger car gasoline engines operating under all service conditions. It prolongs engine life with effective anti-wear additives & enhances engine performance to lower oil consumption & reduce maintenance costs

KEY FEATURES & BENEFITS

- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention

PERFORMANCE LEVELS

- API SL, SJ/CF, JASO MA2
- ACEA A3/B3/B4

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
SAE Grade	15W-40
Kinematic Viscosity @40°C, mm ² /s	106.6
Kinematic Viscosity @100°C, mm ² /s	14.54
Viscosity Index	140
Density, @ 15°C Kg/L	0.8734
Pour Point °C	-33
Flash Point (COC), °C	228
CCS Viscosity, CP	5800
CCS temp °C	-20

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

SAE GRADE	15W-40
PRODUCT CODE	30101040015

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SPARK X Platinum is a high-performance mineral multi-grade gasoline engine oil formulated to provide a higher level of protection and performance in passenger car gasoline engines operating under all service conditions. It prolongs engine life with effective anti-wear additives & enhances engine performance to lower oil consumption & reduce maintenance costs.

KEY FEATURES & BENEFITS

- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention

PERFORMANCE LEVELS

- API SL, SJ/CF, JASO MA2
- ACEA A3/B3/B4

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
	20W-40	20W-50
SAE Grade	20W-40	20W-50
Kinematic Viscosity @40°C, mm ² /s	124.7	163.5
Kinematic Viscosity @100°C, mm ² /s	14.6	18.62
Viscosity Index	118	128
Density, @ 15°C Kg/L	0.878	0.8758
Pour Point °C	-27	-27
Flash Point (COC), °C	228	240
CCS Viscosity, CP	6700	6800
CCS temp °C	-15	-15

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	20W-40	20W-50
PRODUCT CODE	30101040016	30101040017

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.


**MINERAL
API SL**
PETROL ENGINE OIL

DESCRIPTION

Petrogulf SPARK X Platinum is a high-performance monograde gasoline engine oil formulated to provide a higher level of protection and performance in passenger car gasoline engines operating under all service conditions. It prolongs engine life with effective anti-wear additives & enhances engine performance to lower oil consumption & reduce maintenance costs.

KEY FEATURES & BENEFITS

- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention

PERFORMANCE LEVELS

- API SL, SJ/CF, JASO MA2
- ACEA A3/B3/B4

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
SAE Grade	40	50
Kinematic Viscosity @40 °C, mm ² /s	148.8	212.3
Kinematic Viscosity @100 °C, mm ² /s	14.6	18.6
Viscosity Index	96	97
Density, @ 15°C Kg/L	0.880	0.890
Pour Point °C	-21	-18
Flash Point, (COC), °C	236	248

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	40	50
PRODUCT CODE	30101040002	30101040003

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Automotive





DESCRIPTION

Petrogulf SPARK X Gold is shear stable API SJ category oil, formulated using highly refined GR I base oils and detergent inhibitor package having good piston cleanliness, wear corrosion resistance.

KEY FEATURES & BENEFITS

- Suitable for 2001 and older model petrol cars/pickups/vans
- Good engine cleanliness

PERFORMANCE LEVELS

- API SJ/CF

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
SAE Grade	40	50
Kinematic Viscosity @40 °C, mm ² /s	148.2	213.1
Kinematic Viscosity @100 °C, mm ² /s	14.5	18.5
Viscosity Index	96	96
Density, @ 15 °C Kg/L	0.880	0.890
Pour Point °C	-18	-18
Flash Point, (COC), °C	240	250
Color, ASTM	L2.5	L3.0
TBN, mg KOH/g	6.10	6.10
Sulphated Ash, %w/w	0.70	0.70

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	40	50
PRODUCT CODE	30101030002	30101030003

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf **SPARK X Gold** is shear stable API SJ category oil, formulated using highly refined GR I base oils and detergent inhibitor package having good piston cleanliness, wear corrosion resistance.

KEY FEATURES & BENEFITS

- Suitable for 2001 and older model petrol cars/pickups/vans
- Good engine cleanliness

PERFORMANCE LEVELS

- API SJ/CF

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
	20W-40	20W-50
SAE Grade	20W-40	20W-50
Kinematic Viscosity @40 °C, mm ² /s	124.1	163.2
Kinematic Viscosity @100 °C, mm ² /s	14.5	18.6
Viscosity Index	118	128
Density, @ 15°C Kg/L	0.878	0.880
Pour Point °C	-27	-27
Flash Point, (COC), °C	240	244
Color, ASTM	L2.0	L2.5
CCS Viscosity, CP	6700	7100
CCS temp, °C	-15	-15
TBN, mg KOH/g	6.10	6.10
Sulphated Ash, %w/w	0.70	0.70

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	20W-40	20W-50
PRODUCT CODE	30101030016	30101030017

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



SG

Automotive

DESCRIPTION

Petrogulf SPARK X Gold is a high-quality, mineral oil-based engine oil designed primarily to be used in passenger cars and trucks in light-duty service. It is formulated to provide good wear protection, to minimize the formation of sludge and varnish, and to protect against rust, bearing corrosion and foaming. It should not be used in engines where an oil meeting new car warranty requirement is required.

KEY FEATURES & BENEFITS

- Excellent oxidation resistance
- Protects against sludge and varnish formation
- Protects against wear
- Protects against rust and bearing corrosion

PERFORMANCE LEVELS

- API SG/CD

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
	20W-40	20W-50
SAE Grade	20W-40	20W-50
Kinematic Viscosity @40°C, mm ² /s	124.2	162.1
Kinematic Viscosity @100°C, mm ² /s	14.5	18.5
Viscosity Index	117	128
Density, @ 15°C Kg/L	0.878	0.880
Pour Point °C	-27	-24
Flash Point, (COC), °C	230	240
Color, ASTM	L3.0	L3.0
CCS Viscosity, CP	6700	7100
CCS temp, °C	-15	-15
TBN, mg KOH/g	5.45	5.45
Sulphated Ash, %w/w	0.65	0.65

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	20W-40	20W-50
PRODUCT CODE	30101020016	30101020017

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SPARK X Gold is a high-quality, mineral oil-based engine oil designed primarily to be used in passenger cars and trucks in light-duty service. It is formulated to provide good wear protection, to minimize the formation of sludge and varnish, and to protect against rust, bearing corrosion and foaming. It should not be used in engines where an oil meeting new car warranty requirement is required.

KEY FEATURES & BENEFITS

- Excellent oxidation resistance
- Protects against sludge and varnish formation
- Protects against wear
- Protects against rust and bearing corrosion

PERFORMANCE LEVELS

- API SG/CD

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
SAE Grade	40	50
Kinematic Viscosity @40 °C, mm ² /s	148.1	210.4
Kinematic Viscosity @100 °C, mm ² /s	14.5	18.5
Viscosity Index	96	97
Density, @ 15°C Kg/L	0.884	0.891
Pour Point °C	-21	-15
Flash Point, (COC), °C	240	250
Color, ASTM	L2.5	L3.0
TBN, mg KOH/g	5.45	5.45
Sulphated Ash, %w/w	0.65	0.65

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	40	50
PRODUCT CODE	30101020002	30101020003

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Automotive



DESCRIPTION

Petrogulf SPARK X Gold is a high-quality, mineral oil-based engine oil designed primarily to be used in passenger cars and trucks in light-duty service. It is formulated to provide good wear protection, to minimize the formation of sludge and varnish, and to protect against rust, bearing corrosion and foaming. It should not be used in engines where an oil meeting new car warranty requirement is required.

KEY FEATURES & BENEFITS

- Excellent oxidation resistance

PERFORMANCE LEVELS

- API SF/CD

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
	20W-40	20W-50
SAE Grade	20W-40	20W-50
Kinematic Viscosity @40°C, mm ² /s	124.1	164.0
Kinematic Viscosity @100°C, mm ² /s	14.4	18.5
Viscosity Index	116	127
Density, @ 15°C Kg/L	0.885	0.882
Pour Point °C	-27	-27
Flash Point, (COC), °C	230	240
Color, ASTM	L3.0	L3.5
CCS Viscosity, CP	6700	6900
CCS temp °C	-15	-15
TBN, mg KOH/g	10.0	10.0
Sulphated Ash, %w/w	1.2	1.2

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	20W-40	20W-50
PRODUCT CODE	30101010016	30101010017

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Automotive



**DIESEL
ENGINE
OILS**



API

FA-4

Automotive

DEO API FA-4

DESCRIPTION

Petrogulf PRIME X Zenith is synthetic base, heavy-duty high-speed diesel engine oil that provides outstanding lubrication of latest generation diesel engine, promoting extended long drain capability and excellent low temperature performance. This product meets or exceeds the specification of all major European and American engine manufacturers. This oil is recommended for use in naturally aspirated and turbo-charged Diesel-Powered equipment from leading Japanese, European, Korean and American Manufacturers, mixed fleets, On & off highway light and heavy-duty trucking & industries including construction, mining, quarrying, and agriculture equipment.

KEY FEATURES & BENEFITS

- Excellent high/low temperature control
- Exceptional Thermal and Oxidation Stability ensures trouble-free operation
- Stay in grade shear stability provides wear protection and viscosity control
- Excellent cold temperature flow for start -up in extreme cold
- Advanced detergents & dispersants lead to cleaner engines and longer component life
- Enhanced engine protection against wear
- Compatible to SCR / DPF / EGR Systems

PERFORMANCE LEVELS

- API FA-4/SN
- ACEA E7/E9
- MB 228.61
- VOLVO VDS-4.5
- Renault RLD-4.5
- MACK EOS-4.5
- Caterpillar ECF-3
- JASO DH 2
- Cummins CES20087/86
- Detroit Diesel DFS 93K223

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
	5W-30	5W-40
SAE Grade	5W-30	5W-40
Kinematic Viscosity @40°C, mm ² /s	63.2	84.5
Kinematic Viscosity @100°C, mm ² /s	11.4	14.5
Viscosity Index	177	179
Density, @ 15°C Kg/L	0.858	0.864
Pour Point °C	-42	-42
Flash Point, (COC), °C	228	230
CCS Viscosity, CP	10.0	10.0
CCS temp °C	5510	5620
TBN, mg KOH/g	-30	-30
Sulphated Ash, %w/w	1.07	1.07

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	5W-30	5W-40
PRODUCT CODE	30203090023	30203090024

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



CK-4

Automotive

DEO API CK-4


SEMI SYNTHETIC
API CK-4
DIESEL ENGINE OIL

DESCRIPTION

Petrogulf PRIME X Zenith is a semi synthetic base, heavy-duty high-speed diesel engine oil that provides outstanding lubrication of latest generation diesel engine, promoting extended long drain capability and excellent low temperature performance. This product meets or exceeds the specification of all major European and American engine manufacturers. This oil is recommended for use in naturally aspirated and turbo-charged Diesel-Powered equipment from leading Japanese, European, Korean and American Manufacturers, mixed fleets, On & off highway light and heavy-duty trucking & industries including construction, mining, quarrying, and agriculture equipment.

KEY FEATURES & BENEFITS

- Excellent high/low temperature control
- Exceptional Thermal and Oxidation Stability ensures trouble-free operation
- Stay in grade shear stability provides wear protection and viscosity control
- Excellent cold temperature flow for start -up in extreme cold
- Advanced detergents & dispersants lead to cleaner engines and longer component life
- Enhanced engine protection against wear
- Compatible to SCR / DPF / EGR System

PERFORMANCE LEVELS

- API CK-4
- ACEA E4-16
- ACEA E7-16
- ACEA E9-16
- MB 228.31/51
- VOLVO VDS-4.5
- Renault RLD-4
- MTU Cat 3.1
- MACK EOS-4.5
- Caterpillar ECF-3
- Cummins CES20081
- Cummins CES20086
- Cummins CES20087
- Detroit Diesel DFS 93K222

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
	10W-30	10W-40	15W-40
SAE Grade			
Kinematic Viscosity @40°C, mm ² /s	64.5	98.5	107.8
Kinematic Viscosity @100°C, mm ² /s	11.5	14.6	14.66
Viscosity Index	175	154	140
Density, @ 15°C Kg/L	0.860	0.862	0.870
Pour Point °C	-39	-39	-33
Flash Point, (COC), °C	228	228	230
CCS Viscosity, CP	5060	5330	5210
CCS temp °C	-25	-25	-20
TBN, mg KOH/g	10.0	10.0	10.0
Sulphated Ash, %w/w	1.07	1.07	1.07

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

SAE GRADE	10W-30	10W-40	15W-40
PRODUCT CODE	30202080011	30202080012	30202080015

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



API

CJ-4

Automotive

DEO API CJ-4

DESCRIPTION

Petrogulf PRIME X Infinite Plus is a premium quality, high-performance, synthetic, shear-stable, heavy-duty diesel engine oil that is specifically designed for high-output, naturally aspirated, or super/turbocharged diesel engines operating under severe conditions in both on-highway and off-highway applications. Formulated with high-quality synthetic base oils and the latest generation of low ash additives, this oil offers significantly enhanced resistance to wear, deposits, and oxidation, along with exceptional soot handling performance, most suitable for engines using sulfur <0.5% diesel fuel.

KEY FEATURES & BENEFITS

- Exceptional Thermal and Oxidation Stability ensures trouble-free operation.
- Reduced maintenance costs due to minimized engine overhaul periods
- Stay in grade shear stability provides wear protection and viscosity control
- Maintains excellent control of oil consumption
- Advanced detergents & dispersants lead to cleaner engines and longer component life.
- Enhanced protection against wear.
- Suitable for low sulfur diesel fuels.
- Compatible to SCR / DPF / EGR Systems

PERFORMANCE LEVELS

- API CJ/CI-4
- CAT ECF 3
- CUMMINS CES 20081
- MAN M 3575
- MB 228.31
- RENAULT RLD-3
- VOLVO VDS-4

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
	5W-30	5W-40
SAE Grade	5W-30	5W-40
Kinematic Viscosity @40°C, mm ² /s	64.5	86.7
Kinematic Viscosity @100°C, mm ² /s	11.5	14.5
Viscosity Index	175	175
Density, @ 15°C Kg/L	0.858	0.860
Pour Point °C	-42	-42
Flash Point, (COC), °C	226	228
CCS Viscosity, CP	5600	5500
CCS temp °C	-30	-30
TBN, mg KOH/g	7.8	7.8

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	5W-30	5W-40
PRODUCT CODE	30203070023	30203070024

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf PRIME X Infinite Plus is a premium quality, high-performance, semi synthetic, shear-stable, heavy-duty diesel engine oil that is specifically designed for high-output, naturally aspirated, or super/turbocharged diesel engines operating under severe conditions in both on-highway and off-highway applications. Formulated with high-quality synthetic base oils and the latest generation of low ash additives, this oil offers significantly enhanced resistance to wear, deposits, and oxidation, along with exceptional soot handling performance, most suitable for engines using sulfur <0.5% diesel fuel.

KEY FEATURES & BENEFITS

- Exceptional Thermal and Oxidation Stability ensures trouble-free operation
- Reduced maintenance costs due to minimized engine overhaul periods
- Stay in grade shear stability provides wear protection and viscosity control
- Maintains excellent control of oil consumption
- Advanced detergents & dispersants lead to cleaner engines and longer component life
- Enhanced protection against wear
- Suitable for low sulfur diesel fuels
- Compatible to SCR / DPF / EGR System

PERFORMANCE LEVELS

- API CJ-4/CI-4
- CAT ECF 3
- CUMMINS CES 20081
- MAN M 3575
- MB 228.31
- RENAULT RLD 3
- VOLVO VDS 4

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
	10W-30	10W-40	15W-40
SAE Grade	10W-30	10W-40	15W-40
Kinematic Viscosity @40°C, mm ² /s	72.5	98.5	108.2
Kinematic Viscosity @100°C, mm ² /s	11.5	14.5	14.6
Viscosity Index	152	152	139
Density, @ 15°C Kg/L	0.862	0.863	0.870
Pour Point °C	-39	-39	-33
Flash Point, (COC), °C	228	230	230
CCS Viscosity, CP	5700	6100	6200
CCS temp °C	-25	-25	-20
TBN, mg KOH/g	7.8	7.8	7.8

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	10W-30	10W-40	15W-40
PRODUCT CODE	30203070011	30202070012	30202070015

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf PRIME X Infinite Plus a premium quality, high-performance, multigrade, shear-stable, heavy-duty diesel engine oil that is specifically designed for high-output, naturally aspirated, or super/turbocharged diesel engines operating under severe conditions in both on-highway and off-highway applications. Formulated with high-quality base oils and the latest generation of low ash additives, this oil offers significantly enhanced resistance to wear, deposits, and oxidation, along with exceptional soot handling performance, most suitable for engines using sulfur <0.5% diesel fuel.

KEY FEATURES & BENEFITS

- Exceptional Thermal and Oxidation Stability ensures trouble-free operation.
- Reduced maintenance costs due to minimized engine overhaul periods
- Stay in grade shear stability provides wear protection and viscosity control
- Maintains excellent control of oil consumption
- Advanced detergents & dispersants lead to cleaner engines and longer component life.
- Enhanced protection against wear.
- Suitable for low sulfur diesel fuels

PERFORMANCE LEVELS

- API CJ-4

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES				
SAE Grade	20W-40	20W-50	25W-40	25W-50	25W-70
Kinematic Viscosity @40°C, mm ² /s	126.2	164.2	127.5	166.5	310.1
Kinematic Viscosity @100°C, mm ² /s	14.6	18.60	14.70	18.70	27.20
Viscosity Index	117	127	117	127	117
Density, @ 15°C Kg/L	0.878	0.880	0.881	0.883	0.889
Pour Point °C	-27	-27	-24	-24	-24
Flash Point, (COC), °C	238	248	240	252	254
CCS Viscosity, CP	6700	7120	8100	8212	8420
CCS temp °C	-15	-15	-10	-10	-10
TBN, mg KOH/g	7.8	7.8	7.8	7.8	7.8

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	20W-40	20W-50	25W-40	25W-50	25W-70
PRODUCT CODE	30201070016	30201070017	30201070018	30201070019	30201070021

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



API

CI-4

Automotive

DEO API CI-4



DESCRIPTION

Petrogulf PRIME X Infinite is synthetic base, extra high-performance diesel engine oil that provides excellent lubrication of today's diesel engine, promoting extended engine life. This product meets or exceeds the specification of all major European and American engine manufacturers. This oil is recommended for use in naturally aspirated and turbo-charged diesel-powered equipment from leading Japanese, European and American Manufacturers, mixed fleets, On & off highway light and heavy-duty trucking & industries including construction, mining, quarrying, and agriculture equipment.

KEY FEATURES & BENEFITS

- Exceptional Thermal and Oxidation Stability ensures trouble-free operation
- Reduced maintenance costs due to minimized engine overhaul periods
- Stay in grade shear stability provides wear protection and viscosity control
- Maintains excellent control of oil consumption
- Advanced detergents & dispersants lead to cleaner engines and longer component life
- Enhanced protection against wear

PERFORMANCE LEVELS

- API CI-4/SL
- ACEA A3-02
- ACEA B3-98 Issue 2
- MB 228.3/229.1
- VOLVO VDS-3
- RVI RLD
- ACEA E5-16
- ACEA B4-16
- MAN 3275
- MACK EO-M plus
- Caterpillar ECF-1
- ACEA E3-96 Issue 4
- Global DHD-1
- MTU TYPE 2
- ZF TE-ML 07C

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
	5W-30	5W-40
SAE Grade	5W-30	5W-40
Kinematic Viscosity @40°C, mm ² /s	65.2	88.1
Kinematic Viscosity @100°C, mm ² /s	11.5	14.5
Viscosity Index	173	172
Density, @ 15°C Kg/L	0.858	0.860
Pour Point °C	-42	-42
Flash Point, (COC), °C	226	228
CCS Viscosity, CP	5100	5200
CCS temp °C	-30	-30
TBN, mg KOH/g	10.5	10.5

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

SAE GRADE	5W-30	5W-40
PRODUCT CODE	30203060023	30203060024

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf PRIME X Infinite is a semi synthetic base, extra high-performance diesel engine oil that provides excellent lubrication of today's diesel engine, promoting extended engine life. This product meets or exceeds the specification of all major European and American engine manufacturers. This oil is recommended for use in naturally aspirated and turbo-charged diesel-powered equipment from leading Japanese, European and American Manufacturers, mixed fleets, On & off highway light and heavy-duty trucking & industries including construction, mining, quarrying, and agriculture equipment.

KEY FEATURES & BENEFITS

- Exceptional Thermal and Oxidation Stability ensures trouble-free operation
- Reduced maintenance costs due to minimized engine overhaul periods
- Stay in grade shear stability provides wear protection and viscosity control
- Maintains excellent control of oil consumption
- Advanced detergents & dispersants lead to cleaner engines and longer component life.
- Enhanced protection against wear

PERFORMANCE LEVELS

- API CI-4/SL
- ACEA A3-02
- ACEA B3-98 Issue 2
- MB 228.3/229.1
- VOLVO VDS-3
- RVI RLD
- ACEA E5-16
- ACEA B4-16
- MAN 3275
- MACK EO-M plus
- Caterpillar ECF-1
- ACEA E3-96 Issue 4
- Global DHD-1
- MTU TYPE 2
- ZF TE-ML 07C

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
	10W-30	10W-40
SAE Grade	10W-30	10W-40
Kinematic Viscosity @40°C, mm ² /s	71.1	97.6
Kinematic Viscosity @100°C, mm ² /s	11.4	14.5
Viscosity Index	154	154
Density, @ 15°C Kg/L	0.866	0.870
Pour Point °C	-39	-39
Flash Point, (COC), °C	226	228
CCS Viscosity, CP	5600	5700
CCS temp °C	-25	-25
TBN, mg KOH/g	10.5	10.5

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	10W-30	10W-40
PRODUCT CODE	30202060011	30202060012

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf PRIME X Infinite is mineral base, extra high-performance diesel engine oil that provides excellent lubrication of today's diesel engine, promoting extended engine life. This product meets or exceeds the specification of all major European and American engine manufacturers. This oil is recommended for use in naturally aspirated and turbo-charged diesel-powered equipment from leading Japanese, European and American Manufacturers, mixed fleets, On & off highway light and heavy-duty trucking & industries including construction, mining, quarrying, and agriculture equipment.

KEY FEATURES & BENEFITS

- Exceptional Thermal and Oxidation Stability ensures trouble-free operation.
- Reduced maintenance costs due to minimized engine overhaul periods
- Stay in grade shear stability provides wear protection and viscosity control
- Maintains excellent control of oil consumption
- Advanced detergents & dispersants lead to cleaner engines and longer component life.
- Enhanced protection against wear.

PERFORMANCE LEVELS

- API CI-4/SL
- ACEA A3-02
- ACEA B3-98 Issue 2
- MB 228.3/229.1
- VOLVO VDS-3
- RVI RLD
- ACEA E5-16
- ACEA B4-16
- MAN 3275
- MACK EO-M plus
- Caterpillar ECF-1
- ACEA E3-96 Issue 4
- Global DHD-1
- MTU TYPE 2
- ZF TE-ML 07C

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES				
SAE Grade	20W-40	20W-50	25W-40	25W-50	25W-70
Kinematic Viscosity @40°C, mm ² /s	126.3	165.1	127.2	170.1	313.1
Kinematic Viscosity @100°C, mm ² /s	14.6	18.6	14.7	18.7	27.4
Viscosity Index	117	127	117	124	117
Density, @ 15°C Kg/L	0.878	0.880	0.884	0.885	0.887
Pour Point °C	-27	-27	-27	-24	-24
Flash Point, (COC), °C	240	246	250	252	254
CCS Viscosity, CP	6700	7100	8800	8700	8800
CCS temp °C	-15	-15	-10	-10	-10
TBN, mg KOH/g	10.5	10.5	10.5	10.5	10.5

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	20W-40	20W-50	25W-40	25W-50	25W-70
PRODUCT CODE	30201060016	30201060017	30201060018	30201060019	30201060021

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



**SYNTHETIC
API CI-4**

DIESEL ENGINE OIL

DESCRIPTION

Petrogulf PRIME X Infinite is a mineral base, extra high-performance diesel engine oil that provides excellent lubrication of today's diesel engine, promoting extended engine life. This product meets or exceeds the specification of all major European and American engine manufacturers. This oil is recommended for use in naturally aspirated and turbo-charged diesel-powered equipment from leading Japanese, European and American Manufacturers, mixed fleets, On & off highway light and heavy-duty trucking & industries including construction, mining, quarrying, and agriculture equipment.

KEY FEATURES & BENEFITS

- Exceptional Thermal and Oxidation Stability ensures trouble-free operation.
- Reduced maintenance costs due to minimized engine overhaul periods
- Stay in grade shear stability provides wear protection and viscosity control
- Maintains excellent control of oil consumption
- Advanced detergents & dispersants lead to cleaner engines and longer component life.
- Enhanced protection against wear

PERFORMANCE LEVELS

- API CI-4/SL
- ACEA A3-02
- ACEA B3-98 Issue 2
- MB 228.3/229.1
- VOLVO VDS-3
- RVI RLD
- ACEA E5-16
- ACEA B4-16
- MAN 3275
- MACK EO-M plus
- Caterpillar ECF-1
- ACEA E3-96 Issue 4
- Global DHD-1
- MTU TYPE 2
- ZF TE-ML 07C

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
SAE Grade	15W-40
Kinematic Viscosity @40°C, mm ² /s	108.2
Kinematic Viscosity @100°C, mm ² /s	14.6
Viscosity Index	139
Density, @ 15°C Kg/L	0.876
Pour Point °C	-33
Flash Point, (COC), °C	228
CCS Viscosity, CP	6200
CCS temp °C	-20
TBN, mg KOH/g	10.5

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	15W-40
PRODUCT CODE	30203060015

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Automotive

CH-4



MINERAL
API CH-4

DIESEL ENGINE OIL

DESCRIPTION

Petrogulf PRIME X Legend Multi-grades are heavy-duty, high-speed diesel engine oil formulated using an advanced, state-of-the-art additive package, blended with high-quality based products. Recommended diesel engines in trucks, cars, farming, including off-road equipment used in earthmoving, mining, and construction. These carefully tailored combinations of additives and base oils allows thermal and oxidative stability, resulting in superior protection against piston lacquer deposits. Advanced detergent technology keeps engine parts clean and cutting-edge dispersant technology keeps insolubles in suspended form thus enhancing oils drain intervals and prolonged engine life.

KEY FEATURES & BENEFITS

- Formulated for Japanese / American / Korean / European / Indian high speed diesel engine trucks / vans / buses / off and on high-way vehicles
- Long drain capability and low oil top up consumption
- Exceptional thermal and oxidation stability
- Good protection against corrosion and rusting
- Enhanced protection against wear
- Protection against high temperature piston deposits

PERFORMANCE LEVELS

- API CH-4
- ACEA E3/E7-04
- ACEA E 3/ E 7- 04
- MB 228.3
- MTU TYPE 2
- MACK EO-M
- CUMMINS CES 20071/72
- MAN M 3275-1
- CAT TO2 (Multi)
- VOLVO VDS 3

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES				
	20W-40	20W-50	25W-40	25W-50	25W-70
SAE Grade					
Kinematic Viscosity @40°C, mm ² /s	124.6	164.6	126.6	166.9	312.6
Kinematic Viscosity @100°C, mm ² /s	14.6	18.60	14.7	18.6	27.2
Viscosity Index	118	127	118	125	116
Density, @ 15°C Kg/L	0.878	0.880	0.883	0.886	0.889
Pour Point °C	-27	-27	-24	-24	-24
Flash Point, (COC), °C	240	244	246	248	256
CCS Viscosity, CP	6700	6600	8200	7800	8100
CCS temp °C	-15	-15	-10	-10	-10
TBN, mg KOH/g	10.5	10.50	10.5	10.5	10.5
Sulphated Ash, %w/w	1.42	1.42	1.42	1.42	1.42

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

SAE GRADE	20W-40	20W-50	25W-40	25W-50	25W-70
PRODUCT CODE	30201050016	30201050017	30201050018	30201050019	30201050021

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.


MINERAL
API CH-4
DIESEL ENGINE OIL

DESCRIPTION

Petrogulf PRIME X Legend Multi-grades are heavy-duty, high-speed diesel engine oil formulated using an advanced, state-of-the-art additive package, blended with high-quality based products. Recommended for diesel engines in trucks, cars, farming, including off-road equipment used in earthmoving, mining, and construction. These carefully tailored combination of additives and base oils allows thermal and oxidative stability, resulting in superior protection against piston lacquer deposits. Advanced detergent technology keeps engine parts clean and cutting-edge dispersant technology keeps insolubles in suspended form thus enhancing oils drain intervals and prolonged engine life.

KEY FEATURES & BENEFITS

- Formulated for Japanese / American / Korean / European / Indian high speed diesel engine trucks / vans / buses / off and on highway vehicles
- Long drain capability and low oil top up consumption
- Exceptional thermal and oxidation stability
- Good protection against corrosion and rusting
- Enhanced protection against wear
- Protection against high temperature piston deposits

PERFORMANCE LEVELS

- API CH-4
- ACEA E3/E7-04
- ACEA E 3/ E 7- 04
- MB 228.3
- MTU TYPE 2
- ACEA B4-16
- MACK EO-M
- CUMMINS CES 20071/72
- MAN M 3275-1
- CAT TO2 (Multi)
- VOLVO VDS 3

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
SAE Grade	15W-40
Kinematic Viscosity @40°C, mm ² /s	106.5
Kinematic Viscosity @100°C, mm ² /s	14.50
Viscosity Index	140
Density, @ 15°C Kg/L	0.8731
Pour Point °C	-33
Flash Point, (COC),°C	226
CCS Viscosity, CP	5500
CCS temp °C	-20
TBN, mg KOH/g	10.5
Sulphated Ash, %w/w	1.42

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	15W-40
PRODUCT CODE	30201050015

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



MINERAL
API CH-4

DIESEL ENGINE OIL

DESCRIPTION

Petrogulf PRIME X Legend monograde are heavy-duty, high-speed diesel engine oil formulated using an advanced, state-of-the-art additive package, blended with high-quality based products. Recommended for diesel engines in trucks, cars, farming, including off-road equipment used in earthmoving, mining, and construction. These carefully tailored combination of additives and base oils allows thermal and oxidative stability, resulting in superior protection against piston lacquer deposits. Advanced detergent technology keeps engine parts clean and cutting-edge dispersant technology keeps insolubles in suspended form thus enhancing oils drain intervals and prolonged engine life.

KEY FEATURES & BENEFITS

- Formulated for Japanese / American / Korean / European / Indian high speed diesel engine trucks / vans / buses / off and on highway vehicles
- Long drain capability and low oil top up consumption
- Exceptional thermal and oxidation stability
- Good protection against corrosion and rusting
- Enhanced protection against wear
- Protection against high temperature piston deposits

PERFORMANCE LEVELS

- API CH-4
- ACEA E3/E7-04
- ACEA E 3/ E 7- 04
- MB 228.3
- MTU TYPE 2
- MACK EO-M
- CUMMINS CES 20071/72
- MAN M 3275-1
- CAT TO2 (Multi)
- VOLVO VDS 3

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
	40	50	60
SAE Grade	40	50	60
Kinematic Viscosity @40°C, mm ² /s	148.2	213.2	275.2
Kinematic Viscosity @100°C, mm ² /s	14.6	18.5	22.1
Viscosity Index	97	96	97
Density, @ 15°C Kg/L	0.881	0.887	0.889
Pour Point °C	-21	-18	-18
Flash Point, (COC), °C	240	250	260
TBN, mg KOH/g	10.5	10.5	10.5
Sulphated Ash, %w/w	1.42	1.42	1.42

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	40	50	60
PRODUCT CODE	30201050002	30201050003	30201050004

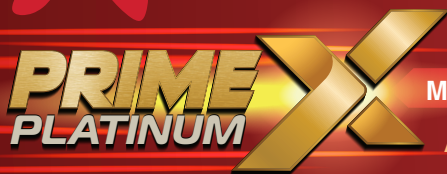
Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Automotive

CF

CF/CF-4



MINERAL
API CF/CF-4

DIESEL ENGINE OIL

DESCRIPTION

Petrogulf PRIME X Platinum monograde are formulated with an advance, state-of-the-art detergent-inhibitor additive package using high quality, solvent refined, paraffinic base oils. Petrogulf PRIME X Legend mono-grades are recommended for diesel engines used in truck fleets & cars, farming, earthmoving, mining, and construction equipment. They provide protection in both heavy-duty and light-duty service. These carefully tailored combinations of additives and base oils allow for outstanding high temperature, thermal, and oxidative stability, and resultant superior protection against piston lacquer deposits. This protection is due to the dispersant technology, which helps protect metal surfaces and oil fluidity by outstanding control and suspension of insoluble, thereby reducing low temperature sludge and fuel generated soot.

KEY FEATURES & BENEFITS

- Exceptional thermal and oxidation stability
- Good protection against corrosion and rusting
- Enhanced protection against wear
- Protection against high temperature piston deposits

PERFORMANCE LEVELS

- API CF/CF-4
- Allison C3
- ACEA E 2-96 Issue 2
- MTU TYPE 1
- CAT TO2 (Monograde)
- 10 TBN

TYPICAL CHARACTERISTICS

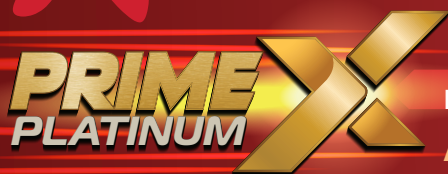
PROPERTIES	TYPICAL VALUES		
SAE Grade	40	50	60
Kinematic Viscosity @40°C, mm ² /s	147.7	212.7	272.7
Kinematic Viscosity @100°C, mm ² /s	14.6	18.6	22.1
Viscosity Index	97	97	98
Density, @ 15°C Kg/L	0.880	0.889	0.890
Pour Point °C	-21	-18	-15
Flash Point, (COC), °C	240	256	260
TBN, mg KOH/g	10.5	10.5	10.5
Sulphated Ash, %w/w	1.45	1.45	1.45

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

SAE GRADE	40	50	60
PRODUCT CODE	30201040002	30201040003	30201040004

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.


DESCRIPTION

Petrogulf PRIME X Platinum Multi-grades are formulated with an advance, state-of-the-art detergent-inhibitor additive package using high quality, solvent refined, paraffinic base oils. Petro Gulf PRIME X Platinum Multi-grades are recommended for diesel engines used in truck fleets & cars, farming, earthmoving, mining, and construction equipment. They provide protection in both heavy-duty and light-duty service. These carefully tailored combinations of additives and base oils allow for outstanding high temperature, thermal, and oxidative stability, and resultant superior protection against piston lacquer deposits. This protection is due to the dispersant technology, which helps protect metal surfaces and oil fluidity by outstanding control and suspension of insoluble, thereby reducing low temperature sludge and fuel generated soot.

KEY FEATURES & BENEFITS

- Exceptional thermal and oxidation stability
- Good protection against corrosion and rusting
- Enhanced protection against wear
- Protection against high temperature piston deposits

PERFORMANCE LEVELS

- API CF/CF-4
- Allison C3
- ACEA E 2-96 Issue 2
- MTU TYPE 1
- CAT TO2
- 10 TBN

TYPICAL CHARACTERISTICS

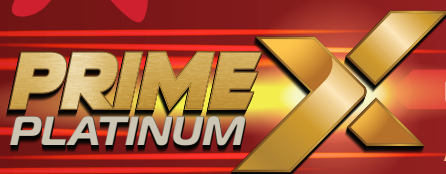
PROPERTIES	TYPICAL VALUES
SAE Grade	15W-40
Kinematic Viscosity @40°C, mm ² /s	108.2
Kinematic Viscosity @100°C, mm ² /s	14.6
Viscosity Index	139
Density, @ 15°C Kg/L	0.878
Pour Point °C	-33
Flash Point, (COC),°C	228
CCS Viscosity, CP	6100
CCS temp °C	-20
TBN, mg KOH/g	10.5
Sulphated Ash, %w/w	1.45

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	15W-40
PRODUCT CODE	30201040015

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



MINERAL
API CF/CF-4

DIESEL ENGINE OIL

DESCRIPTION

Petrogulf PRIME X Platinum Multi-grades are formulated with an advance, state-of-the-art detergent-inhibitor additive package using high quality, solvent refined, paraffinic base oils. Petro Gulf PRIME X Platinum Multi-grades are recommended for diesel engines used in truck fleets & cars, farming, earthmoving, mining, and construction equipment. They provide protection in both heavy-duty and light-duty service. These carefully tailored combinations of additives and base oils allow for outstanding high temperature, thermal, and oxidative stability, and resultant superior protection against piston lacquer deposits. This protection is due to the dispersant technology, which helps protect metal surfaces and oil fluidity by outstanding control and suspension of insoluble, thereby reducing low temperature sludge and fuel generated soot.

KEY FEATURES & BENEFITS

- Exceptional thermal and oxidation stability
- Good protection against corrosion and rusting
- Enhanced protection against wear
- Protection against high temperature piston deposits

PERFORMANCE LEVELS

- API CF/CF-4
- Allison C3
- ACEA E 2-96 Issue 2
- MTU TYPE 1
- CAT TO2
- 10 TBN

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES				
SAE Grade	20W-40	20W-50	25W-40	25W-50	25W-70
Kinematic Viscosity @40°C, mm ² /s	124.2	167.6	127.2	169.2	312.2
Kinematic Viscosity @100°C, mm ² /s	14.5	18.7	14.6	18.7	27.2
Viscosity Index	117	126	116	125	116
Density, @ 15°C Kg/L	0.878	0.880	0.881	0.883	0.889
Pour Point °C	-27	-27	-27	-24	-24
Flash Point, (COC), °C	236	240	242	244	250
CCS Viscosity, CP	6700	7100	8100	8500	8800
CCS temp °C	-15	-15	-10	-10	-10
TBN, mg KOH/g	10.5	10.5	10.5	10.5	10.5
Sulphated Ash, %w/w	1.45	1.45	1.45	1.45	1.45

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	20W-40	20W-50	25W-40	25W-50	25W-70
PRODUCT CODE	30201040016	30201040017	30201040018	30201040019	30201040021

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Automotive



CF

DESCRIPTION

Petrogulf PRIME X Gold oils are superior quality mineral engine lubricants for older petrol and diesel engines. Especially developed to meet the most severe performance requirement of naturally aspirated or turbocharged diesel engines.

KEY FEATURES & BENEFITS

- Excellent protection against corrosion and rusting
- The oil is formulated to provide reliable protection under most driving conditions and for use in diesel passenger car engines where API CF/SF specification is recommended.
- Good high temperature stability and oxidation resistance

PERFORMANCE LEVELS

- API CF/SF
- CAT TO2
- ALLISON C3
- CCMC D2, D3, PDI (Former)
- ACEA E1-96 Issue 2

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES				
	20W-40	20W-50	25W-40	25W-50	25W-70
SAE Grade	20W-40	20W-50	25W-40	25W-50	25W-70
Kinematic Viscosity @40°C, mm ² /s	124.2	164.2	128.3	166.7	312.7
Kinematic Viscosity @100°C, mm ² /s	14.6	18.6	14.8	18.6	27.2
Viscosity Index	119	127	117	125	116
Density, @ 15°C Kg/L	0.878	0.880	0.883	0.885	0.889
Pour Point °C	-27	-27	-21	-21	-21
Flash Point, (COC), °C	242	244	240	244	260
CCS Viscosity, CP	6700	6900	6880	9560	9760
CCS temp °C	-15	-15	-10	-10	-10
TBN, mg KOH/g	10.1	10.1	10.1	10.1	10.1

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.

SAE GRADE	20W-40	20W-50	25W-40	25W-50	25W-70
PRODUCT CODE	30201030016	30201030017	30201030018	30201030019	30201030021

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf PRIME X Gold oils are superior quality monograde & multigrade engine lubricants for older petrol and diesel engines. Especially developed to meet the most severe performance requirement of naturally aspirated or turbocharged diesel engines.

KEY FEATURES & BENEFITS

- Excellent protection against corrosion and rusting
- The oil is formulated to provide reliable protection under most driving conditions and for use in diesel passenger car engines where API CF/SF specification is recommended
- Good high temperature stability and oxidation resistance

PERFORMANCE LEVELS

- API CF/SF
- CAT TO2
- ALLISON C3
- CCMC D2, D3, PDI (Former)
- ACEA E1-96 Issue 2

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
	40	50	60
SAE Grade	40	50	60
Kinematic Viscosity @40°C, mm ² /s	146.2	212.2	278.2
Kinematic Viscosity @100°C, mm ² /s	14.5	18.5	22.2
Viscosity Index	97	97	97
Density, @ 15°C Kg/L	0.886	0.889	0.892
Pour Point °C	-21	-21	-18
Flash Point, (COC), °C	248	256	260
TBN, mg KOH/g	10.1	10.1	10.1

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

SAE GRADE	40	50	60
PRODUCT CODE	30201030002	30201030003	30201030004

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

CD

Automotive

DESCRIPTION

Petrogulf PRIME X Silver is expertly formulated to provide superior protection and performance for both diesel and gasoline engines. This multigrade oil is designed to meet the rigorous demands of modern engines, ensuring optimal functionality and longevity.

KEY FEATURES & BENEFITS

- Suitable for use in a wide range of gasoline and naturally aspirated old diesel engines, including passenger cars, light trucks, and farm equipment.
- Provides excellent protection against wear, corrosion, and sludge build-up, ensuring longer engine life.
- Maintains stability and prevents deposit formation even under high-temperature conditions.
- Contains additives that improve lubrication and reduce engine noise.

PERFORMANCE LEVELS

- API CD/SF

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES				
SAE Grade	20W-40	20W-50	25W-40	25W-50	25W-70
Kinematic Viscosity @40°C, mm ² /s	128.2	170.2	126.2	165.2	312.2
Kinematic Viscosity @100°C, mm ² /s	14.7	18.8	14.6	18.5	27.2
Viscosity Index	116	125	117	126	116
Density, @ 15°C Kg/L	0.878	0.880	0.882	0.884	0.887
Pour Point °C	-27	-27	-21	-21	-21
Flash Point, (COC), °C	240	248	256	242	250
CCS Viscosity, CP	9600	9700	9800	6700	7200
CCS temp °C	-15	-15	-10	-10	-10
TBN, mg KOH/g	5.8	5.8	5.8	5.8	5.8

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	20W-40	20W-50	25W-40	25W-50	25W-70
PRODUCT CODE	30201020016	30201020017	30201020018	30201020019	30201020021

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf PRIME X Silver is expertly formulated to provide superior protection and performance for both diesel and gasoline engines. This multigrade oil is designed to meet the rigorous demands of modern engines, ensuring optimal functionality and longevity.

KEY FEATURES & BENEFITS

- Suitable for use in a wide range of gasoline and naturally aspirated old diesel engines, including passenger cars, light trucks, and farm equipment
- Provides excellent protection against wear, corrosion, and sludge build-up, ensuring longer engine life
- Maintains stability and prevents deposit formation even under high-temperature conditions
- Contains additives that improve lubrication and reduce engine noise

PERFORMANCE LEVELS

- API CD/SF

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
	40	50	60
SAE Grade	40	50	60
Kinematic Viscosity @40°C, mm ² /s	147.6	210.2	274.2
Kinematic Viscosity @100°C, mm ² /s	14.6	18.5	22.1
Viscosity Index	97	97	98
Density, @ 15°C Kg/L	0.886	0.889	0.890
Pour Point °C	-18	-15	-15
Flash Point, (COC), °C	240	256	266
TBN, mg KOH/g	5.8	5.8	5.8

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	40	50	60
PRODUCT CODE	30201020002	30201020003	30201020004

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Automotive



CC



DESCRIPTION

Petrogulf PRIME X Silver is a high-quality lubricant that provides exceptional protection and performance for a wide range of vehicles. Formulated with top-grade virgin base oils and advanced additives, this engine oil ensures optimal engine cleanliness, reduced wear, and enhanced oxidation resistance

KEY FEATURES & BENEFITS

- Suitable for use in both gasoline and light old diesel engines.
- Prevents the accumulation of dirt and deposits generated during high-temperature operations.
- Provides superior protection against wear, corrosion, and sludge build-up, ensuring longer engine life.
- Keeps the engine clean by preventing sludge and deposit formation.

PERFORMANCE LEVELS

- API CC/SG

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES					
	20W-40	20W-50	25W-40	25W-50	25W-60	25W-70
SAE Grade	20W-40	20W-50	25W-40	25W-50	25W-60	25W-70
Kinematic Viscosity @40°C, mm ² /s	124.7	163.7	129.7	169.7	237.7	317.7
Kinematic Viscosity @100°C, mm ² /s	14.6	18.6	14.8	18.8	22.4	27.6
Viscosity Index	118	128	116	125	115	116
Density, @ 15°C Kg/L	0.878	0.882	0.880	0.883	0.885	0.887
Pour Point °C	-27	-27	-21	-21	-21	-21
Flash Point, (COC), °C	240	244	240	244	246	248
CCS Viscosity, CP	6700	7200	9800	9700	9900	9800
CCS temp °C	-15	-15	-10	-10	-10	-10
TBN, mg KOH/g	5.49	5.49	5.49	5.49	5.49	5.49

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	20W-40	20W-50	25W-40	25W-50	25W-60	25W-70
PRODUCT CODE	30201010016	30201010017	30201010018	30201010019	30201010020	30201010021

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



DESCRIPTION

Petrogulf PRIME X Silver is a high-quality lubricant that provides exceptional protection and performance for a wide range of vehicles. Formulated with top-grade virgin base oils and advanced additives, this engine oil ensures optimal engine cleanliness, reduced wear, and enhanced oxidation resistance.

KEY FEATURES & BENEFITS

- Suitable for use in both gasoline and light old diesel engines
- Prevents the accumulation of dirt and deposits generated during high-temperature operations
- Provides superior protection against wear, corrosion, and sludge build-up, ensuring longer engine life
- Keeps the engine clean by preventing sludge and deposit formation

PERFORMANCE LEVELS

- API CC/SG

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
	40	50	60
SAE Grade	40	50	60
Kinematic Viscosity @40°C, mm ² /s	148.6	215.6	273.6
Kinematic Viscosity @100°C, mm ² /s	14.6	18.6	22.2
Viscosity Index	97	96	98
Density, @ 15°C Kg/L	0.880	0.889	0.890
Pour Point °C	-18	-15	-15
Flash Point, (COC), °C	242	254	260
TBN, mg KOH/g	5.49	5.49	5.49

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

SAE GRADE	40	50	60
PRODUCT CODE	30201010002	30201010003	30201010004

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



SPARK X
PETROL ENGINE OIL

PRIME X
DIESEL ENGINE OIL



Automotive

AUTOMATIC TRANSMISSION OILS

DESCRIPTION

Petrogulf EVO TRANS Type A is high quality automatic transmission fluids based on highly refined base stocks and carefully selected additives. These are designed for automatic transmissions and power steering systems of vehicles requiring General Motors for Type A specifications. They provide consistent, reliable, smooth and trouble-free operation of automotive transmission systems and exceptionally high oxidation resistance to oil degradation and keep automatic transmission clean. It is recommended to use in automatic transmissions of car & light trucks and On-highway & Off-highway heavy duty automatic transmissions.

KEY FEATURES & BENEFITS

- Good stability and oxidation stability
- Good low temperature fluidity, seal compatibility
- Foam control, corrosion and anti-wear properties
- Ensures friction durability, prolongs transmission life and promotes smooth shifting
- Provides shear stability
- Antirust properties and detergent qualities

PERFORMANCE LEVEL

- GM ATF Type A
- Allison C-3
- CAT TO-2

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @40°C, mm ² /s	36.4
Kinematic Viscosity @100°C, mm ² /s	7.4
Viscosity Index	175
Brookfield Viscosity @ -40°C cP	0.862
Density, @ 15°C Kg/L	-45
Pour Point °C	212
Flash Point, (COC),°C	20000
Color Visual	Red

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

PRODUCT GRADE	TYPE A
PRODUCT CODE	30800020000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf EVO TRANS Dexron IID are premium quality automatic transmission fluid based on high viscosity index mineral oils and carefully selected additives. It is blended to meet the stringent requirements of leading automotive transmission manufacturers. Suitable for use in all vehicles where GM Dexron® IID, Ford Mercon® or Allison C-3 fluids are required. They have dependable anti-wear and gear protection, long component life, excellent oil fluidity at low temperatures and used as power steering fluid.

KEY FEATURES & BENEFITS

- Provides consistent, reliable, smooth and trouble-free operation of automotive transmission systems.
- Exceptionally high oxidation resistance to oil degradation and keeps automatic transmission clean.
- A special 'VI' improver minimizes the changes in viscosity with operating temperature.

PERFORMANCE LEVEL

- Allison C-4
- GM Dexron II-D
- GM Type "A" Suffix (TASA)

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @40°C, mm ² /s	33.70
Kinematic Viscosity @100°C, mm ² /s	7.30
Viscosity Index	190
Brookfield Viscosity @ -40°C cP	20000
Density, @ 15°C Kg/L	0.853
Pour Point °C	-48
Flash Point, (COC), °C	212
Color Visual	Red

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

PRODUCT GRADE	DEXRON IID
PRODUCT CODE	30800030000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



DESCRIPTION

Petrogulf EVO TRANS Dexron III are premium quality automatic transmission fluids based on high viscosity index mineral oils and carefully selected additives. These are blended to meet the stringent requirements of leading automotive transmission manufacturers. They provide consistent, reliable, smooth and trouble-free operation of automotive transmission systems and exceptionally high oxidation resistance to oil degradation and keep automatic transmission clean. A special 'VI' improver minimizes the changes in viscosity with operating temperature and dependable anti-wear and gear protection provide long component life.

APPLICATIONS

Petrogulf Evo Trans Dexron III is recommended for commercial automatic transmissions vehicles, hydraulic systems of mobile and off-highway equipment and industrial applications. It is also suitable for many older Japanese vehicles that require Dexron-type fluids.

KEY FEATURES & BENEFITS

- Excellent oil fluidity at low temperatures
- Suitable for use in all vehicles where GM Dexron® III, Ford Mercon® or Allison C-4 fluids are required
- Passenger car, heavy duty automatic transmissions and power steering

PERFORMANCE LEVEL

- GM Dexron® III-H
- Allison C-4 TES 389
- Ford Mercon®

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @40°C, mm ² /s	34.30
Kinematic Viscosity @100°C, mm ² /s	7.40
Viscosity Index	190
Brookfield Viscosity @ -40°C cP	20000
Density, @ 15°C Kg/L	0.854
Pour Point °C	-48
Flash Point, (COC), °C	210
Color Visual	Red

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.

SAE GRADE	DEXRON III
PRODUCT CODE	30800040000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf EVO TRANS Dexron IV is a high-performance automatic transmission fluid designed to meet the demanding requirements of modern automatic transmissions. It is formulated with advanced additives recommended for many passenger cars and commercial vehicle automatic transmissions that provides superior protection and performance.

APPLICATIONS

- Suitable for use in a wide range of passenger cars and commercial vehicle automatic transmissions.
- Can be used in power-assisted steering systems where ATF is specified.
- Suitable for certain manual gearboxes that require ATF.

KEY FEATURES & BENEFITS

- Enhances shift performance and vehicle drivability, reducing shudder and ensuring smooth gear changes.
- Ensures superior oxidation control and extended service intervals.
- Provides excellent performance at both low and high temperatures.
- Minimizes wear in automatic gearboxes, extending transmission life.
- Protects against rust and corrosion.

PERFORMANCE LEVELS

- GM DEXRON VI

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @40°C, mm ² /s	33.9
Kinematic Viscosity @100°C, mm ² /s	7.33
Viscosity Index	190
Brookfield Viscosity @ -40°C cP	20000
Density, @ 15°C Kg/L	0.8338
Pour Point °C	-54
Flash Point, (COC), °C	220
Color Visual	Red

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	DEXRON IV
PRODUCT CODE	30800050000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf EVO Trans Dexron V is a high-performance automatic transmission fluid (ATF) designed to meet the demanding requirements of modern automatic transmissions. It provides excellent protection against wear and corrosion, ensuring a longer transmission life. It maintains consistent friction control for smooth and reliable shifting, even under extreme driving conditions.

APPLICATIONS

- Ideal for high-performance and heavy-duty automatic transmissions due to its excellent wear protection and thermal stability.
- Provides improved performance in older GM vehicles wherever Dexron is specified.

KEY FEATURES & BENEFITS

- The low viscosity formula helps improve fuel efficiency by reducing friction and drag within the transmission.
- Suitable for use in a wide range of vehicles, including those from North American, European, and Japanese manufacturers.
- Offers improved oxidation resistance, allowing for longer intervals between fluid changes.

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @40°C, mm ² /s	33.2
Kinematic Viscosity @100°C, mm ² /s	7.2
Viscosity Index	189
Brookfield Viscosity @ -40°C cP	15000
Density, @ 15°C Kg/L	0.850
Pour Point °C	-51
Flash Point, (COC), °C	214
Color Visual	Red

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

PRODUCT GRADE	DEXRON V
PRODUCT CODE	30800060000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf EVO TRANS Dexron VI is a premium automatic transmission fluid (ATF) engineered to meet the rigorous demands of modern automatic transmissions. It provides long service life ensuring longer intervals between fluid changes. With superior resistance to oxidation and thermal breakdown, Petrogulf EVO Trans Dexron VI maintains its performance over time. Additionally, it offers excellent protection against wear, helping to extend the life of your transmission.

APPLICATIONS

- Suitable for use in a wide range of vehicles, including those from North American, European, and Japanese manufacturers.
- Ideal for high-performance and heavy-duty automatic transmissions due to its excellent wear protection and thermal stability.

KEY FEATURES & BENEFITS

- Ensures reliable operation and smooth shifting even in cold weather conditions.
- Prevents clutch shudder and ensures smooth gear shifting during low-temperature operation.
- Maintains its viscosity and performance even under high-temperature conditions, reducing the risk of transmission overheating.
- Minimizes foam formation, ensuring consistent hydraulic pressure and smooth transmission operation.

PERFORMANCE LEVEL

- DEXRON VI

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @40°C, mm ² /s	33.3
Kinematic Viscosity @100°C, mm ² /s	7.22
Viscosity Index	189
Brookfield Viscosity @ -40°C cP	15000
Density, @ 15°C Kg/L	0.847
Pour Point °C	-54
Flash Point, (COC), °C	214
Color Visual	Red

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

PRODUCT GRADE	DEXRON VI
PRODUCT CODE	30800070000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



PRODUCT DATA SHEET

TRANSMISSION OIL

DESCRIPTION

Petrogulf EVO TRANS CVT Fluid is a fully synthetic, high-performance fluid designed for Continuous Variable Transmissions (CVTs). It is suitable for Japanese, American, Korean, and European CVTs, including both push-belt and pull-chain designs, as well as wet clutch CVTs. This fluid ensures smoother, consistent, seamless shifting in all weather conditions and offers comprehensive protection for transmission components, helps in extending transmission life and offers a smoother driving experience.

KEY FEATURES & BENEFITS

- Provides excellent metal-on-metal protection between the belt and pulley.
- Provides anti-wear protection for pull-chain CVTs
- High performance in high torque applications
- Excellent thermal and oxidation stability for consistent transmission performance
- Compatibility with all common seal materials, helping to control leakage
- Effective foam control properties for consistent shifting performance
- Excellent low-temperature fluidity

PERFORMANCE LEVEL

- Daihatsu AMMIX CVT; CVTF DTC; CVTF-D FE*
- Dodge/Jeep NS- 2; CVTF+4
- Ford CVT 30; CVT 23
- GM/Saturn DEX-CVT
- Honda HCF2
- Hyundai/ Kia SP CVT 1
- Mazda CVTF 3320
- Mercedes Benz 236.20
- Mitsubishi CVT-J1; CVT-J4*
- Nissan NS-1; NS- 2; NS-2V; NS-3
- Subaru Lineartronic CVTF/CVTF II; HT CVTF; CV-30; e-CFTV
- Suzuki TC; NS- 2; VTF 3320; CVT Green 1/2*/3
- Toyota TC; FE* VW/Audi TL 52180; G 052 180 (-A2); G 052 516 A2 *

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @40°C, mm ² /s	35.37
Kinematic Viscosity @100°C, mm ² /s	7.35
Viscosity Index	180
Brookfield Viscosity @ -40°C cP	15000
Density, @ 15°C Kg/L	0.854
Pour Point °C	-51
Flash Point, (COC), °C	216
Color Visual	Blue

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

PRODUCT GRADE	CVT
PRODUCT CODE	3110000000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf Evo Trans DCT a fully synthetic dual clutch transmission oil formulated for smooth driving experience. It is not recommended for CVT and AT transmissions use as ATF fluid.

KEY FEATURES & BENEFITS

- Dual clutch friction control
- Shudder free operation
- Excellent shear stability

PERFORMANCE LEVEL

- VW/AUDI/SKODA
- DCT DOQ DQ 500 transmissions, DCT – Wet clutch VW P/N
- G 052 182

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @40°C, mm ² /s	34.67
Kinematic Viscosity @100°C, mm ² /s	7.25
Viscosity Index	180
Brookfield Viscosity @ -40°C cP	15000
Density, @ 15°C Kg/L	0.850
Pour Point °C	-54
Flash Point, (COC), °C	214
Color Visual	RED

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

PRODUCT GRADE	DCT
PRODUCT CODE	3120000000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf EVO TRANS TO-4 transmission fluids are High quality transmission fluids formulated to meet the latest requirement of the Allison C-4 specification. These oils are recommended for use in transmissions used in commercial vehicles, operating under severe service conditions. Typically, on transmission systems found in Construction, Mining, Quarrying and Agriculture Industry applications.

KEY FEATURES & BENEFITS

- Maximizes transmission life controlling wear of critically loaded elements
- Good stability and oxidation stability
- Maintains correct shifting properties in power-shift transmissions by resisting foam and air entrainment
- Good low temperature fluidity, seal compatibility
- Foam control, corrosion and anti-wear properties.

PERFORMANCE LEVEL

- Asian Step Automatic Transmissions
- CAT TO4, Allison C4
- API CF
- KOMATSU KES 07.868.1

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES				
SAE	10W	30	40	50	60
Kinematic Viscosity @40°C, mm ² /s	38.67	98.2	145.6	212.6	282.6
Kinematic Viscosity @100°C, mm ² /s	6.10	11.2	14.50	18.5	22.50
Viscosity Index	102	99	98	96	97
Density @ 15°C, Kg/L	0.872	0.880	0.887	0.891	0.894
Pour Point °C	-30	-27	-24	-21	-18
Flash Point , (COC), °C	214	240	250	256	262
Color ASTM	2.0	2.5	3.5	4.0	4.0

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	10W	30	40	50	60
PRODUCT CODE	31800010010	31800010001	31800010002	31800010003	31800010004

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf EVO TRANS Multi OEM is Fully Synthetic Automatic Transmission Fluid designed specifically for use in passenger and commercial vehicle automatic transmission with outstanding performance in American, Japanese, Korean and European vehicles. It also meets Former DEXRON III & VI, FORD and major OEM commercial vehicle automatic transmission specifications.

KEY FEATURES & BENEFITS

- Suitable for multi vehicle Automatic Transmission
- Excellent friction durability and anti-shudder performance
- Extended long drain intervals
- Very good low temperature fluidity

PERFORMANCE LEVEL

EVO TRANS MULTI OEM is suitable for the following OEM and International specifications:

Aisin Warner AW-1	Mitsubishi SP-II, SP-III, ATF J2
Allison C-4, TES-295, TES-389	Nissan Matic-D, J, K, S, 402
Audi G 052 162, G 052 990, G 055 025	Saab 93 165 147
BMW 7045E, LA2634, LT 71141	Shell 3403, LA 2634, M-1375.4
Chrysler ATF's, Mopar AS68RC	Subaru ATF, ATF-HP
Dexron II, IID, IIE, IIIF, IIIG, IIH, VI	Suzuki 3317
Esso LT 71141	Texaco ETL-7045E, ETL
Ford Type FNR5, Mercon V	Toyota T-III & T-IV
Honda ATF-Z1	Toyota WS (JWS 3324)
Hyundai SP-II, SP-III, SPH-IV, NWS-9638	Voith 55.6335 XX (G607)
Idemitsu K17	Voith 55.6336 XX (G1363)
JASO 1-A	Volvo Pass Car (4-6 sp)
JWS 3309, 3324	Volvo 97340, 97341
Kia SP-II, SP-III, & SP IV	VW G 052 162, G 052 990, G 055 025
MAN 339F, 339 V1, 339 V2, 339 Z1, 339 Z2	ZF TE-ML 03D, 04D, 05L, 09, 11B, 14A
Mazda ATF-M III, ATF-MV	16L, 17C
MB 236.1, 236.2, 236.3, 236.5, 236.6, 236.7	ZF TE-ML 14B
236.9, 236.10, 236.11	

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @40°C, mm ² /s	33.2
Kinematic Viscosity @100°C, mm ² /s	7.2
Viscosity Index	189
Density @ 15°C Kg/L	0.848
Pour Point °C	-51
Flash Point , (COC), °C	215
Color Visual	Red

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.

PRODUCT GRADE	MULTI OEM
PRODUCT CODE	30841000000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

GEAR OILS

Automotive



DESCRIPTION

Petrogulf SHIFTPRO GL-5 is a series of automotive gear lubricants formulated from highly refined base oils and carefully selected additives based on extreme pressure sulfur- phosphorous chemistry that provide protection against rust, corrosion and wear over a wide range of temperature and service conditions.

APPLICATIONS

Petrogulf SHIFTPRO GL-5 is recommended for manual transmissions, differentials, hypoid gear axles and final drives fitted in passenger cars, on/off-road and commercial vehicles, operating under high speed/shock loads, high speed/low torque and low-speed/high torque conditions, where API GL-5 specification is required. It is not recommended for manual transmissions that use synchronizers made of yellow metals that require API GL-4 specifications

KEY FEATURES & BENEFITS

- Excellent protection against wearing and scoring produced by high speed and heavy loads
- Multi-viscosity grades provide good lubrication even at low temperatures
- Provides good protection against corrosion and wear
- Good thermal stability and resistance to high temperature oxidation
- Excellent load carrying capacity and good antifoam properties
- Maximizes equipment service life
- Suitable for a wide variety of applications and service conditions
- Compatible with seals and gaskets

THIS PRODUCT SERIES MEETS THE FOLLOWING PERFORMANCE LEVEL:

- API GL-5

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
SAE Grade	90	140	80W-90	85W-90
Kinematic Viscosity @40°C, mm ² /s	196.2	440.9	139.6	199.6
Kinematic Viscosity @100°C,mm ² /s	17.8	29.66	14.30	17.70
Viscosity Index	98	96	100	96
Density @ 15°C Kg/L	0.889	0.906	0.872	0.889
Pour Point °C	-15	-12	-33	-15
Flash Point ,(COC), °C	226	230	214	230
Foaming - Seq - I, II, III(ml/ml)	0/0, 10/0, 0/0	0/0, 10/0, 0/0	0/0, 10/0, 0/0	0/0, 10/0, 0/0
Brookfield Viscosity, cP	-	-	@-26°C 120,000	@-12°C 75,000

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

SAE GRADE
85W-140 - 80W-140
NEXT PAGE 

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
SAE Grade	85W-140	75W-90	75W-140	80W-140
Kinematic Viscosity @40°C, mm ² /s	439.5	100.1	234.9	234.5
Kinematic Viscosity @100°C, mm ² /s	29.60	15.4	27.2	27.1
Viscosity Index	96	163	150	150
Density @ 15°C Kg/L	0.909	0.858	0.859	0.859
Flash Point ,(COC), °C	-15	-51	-48	-48
Foaming - Seq - I, II, III (ml/ml)	234	216	230	232
Foaming - Seq - I, II, III	0/0, 10/0, 0/0	0/0, 10/0, 0/0	0/0, 10/0, 0/0	0/0, 10/0, 0/0
Brookfield Viscosity, cP	@-12°C 90,000	@-40<50000	@-40<50000	@-26<120,0000

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

SAE GRADE	90	140	80W-90	85W-90	85W-140
PRODUCT CODE	30400050005	30400040006	30400040029	30400040031	30400040030
	75W-90	75W-140	80W-140		
	30400040027	30400040026	30400040028		

◀ SAE GRADE
90 - 85W-90
PREVIOUS PAGE

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SHIFTPRO Gear Oil GL-4 is a series of automotive gear lubricants formulated from highly refined base oils and carefully selected additives based on extreme pressure sulfur- phosphorous chemistry that provide protection against rust, corrosion and wear over a wide range of temperature and service conditions.

APPLICATIONS

Petrogulf ShiftPro Gear Oil GL-4 is recommended for manual transmissions fitted in passenger cars and on/off-road vehicles, operating under high speed, low torque and low-speed/high torque conditions. It can be used in as a rear axle lubricant under low/medium severity like passenger cars and light duty vehicles that require API GL-4 specification. It is not recommended for conventional heavy duty hypoid axles operating under high loads/high severity, except when specified by the manufacturer a product with such characteristics.

KEY FEATURES & BENEFITS

- Formulated for automotive high-speed gears
- Excellent lubrication even at low temperatures
- Provides good protection against corrosion and wear
- Good thermal stability and resistance to high temperature oxidation

THIS PRODUCT SERIES MEETS THE FOLLOWING PERFORMANCE LEVEL:

- API GL-4

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES						
SAE Grade	90	140	75W-90	80W-90	85W-90	75W-140	85W-140
Kinematic Viscosity @40°C, mm ² /s	209.4	450.6	100.1	140.1	196.6	234.9	445.2
Kinematic Viscosity @100°C, mm ² /s	18.3	30.1	15.4	14.3	17.60	27.2	29.9
Viscosity Index	96	96	163	100	97	150	96
Density @ 15°C Kg/L	0.901	0.907	0.858	0.877	0.8950	0.859	0.907
Pour Point °C	-15	-12	-51	-33	-15	-51	-15
Flash Point ,(COC), °C	226	230	216	214	224	230	228
Foaming Seq I (ml/ml)	0/0	0/0	0/0	0/0	0/0	0/0	0/0
II (ml/ml)	10/0	10/0	10/0	10/0	10/0	10/0	10/0
III (ml/ml)	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Brookfield Viscosity, cP	-	-	@-40°C < 50,000	@-26°C 120,000	@-12°C 75,000	@-40°C <50,000	@-12°C 90,000

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

SAE GRADE	90	140	75W-90	80W-90	85W-90
PRODUCT CODE	30400030005	30400030006	30400030027	30400030029	30400030031
	75W-140	85W-140			
	30400030026	30400030030			

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SHIFTPRO Gear Oil GL-3 is a high-performance lubricant designed for use in manual transmissions and gearboxes requiring moderate extreme pressure properties. This oil provides excellent wear resistance, outstanding corrosion protection, and high pressure-absorption capability. It ensures smooth gear shifting and reduces transmission noise, making it ideal for vehicles and machinery operating under varying temperature conditions.

APPLICATIONS

- Manual transmissions
- Gearboxes in light-duty vehicles
- Machinery requiring moderate extreme pressure gear oil

KEY FEATURES & BENEFITS

- Provides good wear protection for gears, helping to extend the lifespan of transmission components.
- Designed to ensure smooth gear shifting, reducing resistance and improving the overall driving experience.
- Offer excellent corrosion protection, preventing rust and corrosion in the gearbox.
- Maintain consistent performance across a wide range of temperatures, ensuring reliable operation in both hot and cold conditions.
- Helps in reducing transmission noise, contributing to a quieter and more comfortable ride.

THIS PRODUCT SERIES MEETS THE FOLLOWING PERFORMANCE LEVEL:

- API GL-3

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
SAE Grade	90	140
Kinematic Viscosity @40°C, mm ² /s	209.2	435.3
Kinematic Viscosity @100°C, mm ² /s	18.2	29.6
Viscosity Index	96	96
Density @ 15°C Kg/L	0.890	0.8964
Pour Point °C	-15	-12
Flash Point ,(COC), °C	248	252
Foaming - Seq - I, II, III (ml/ml)	0/0, 20/0, 0/0	0/0, 20/0, 0/0

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where Indirect fuel Injection is used.

SAE GRADE	90	140
PRODUCT CODE	30400020005	30400020006

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SHIFTPRO GL-1 has been developed for use in mechanical transmissions that require an oil meeting API GL-1. It is formulated from high quality, paraffinic type base oils. It is not suitable for extreme pressure gear oil applications.

APPLICATIONS

- Excellent oxidation resistance
- Protects against sludge and varnish formation
- Protects against wear
- Protects against rust and bearing corrosion

PERFORMANCE STANDARDS

Meets and exceeds the following International specification

- API GL-1

Always follow equipment manufacturers recommendations for required lubricant performance levels and oil drain intervals.

KEY FEATURES & BENEFITS

- Smooth gear operation with mild anti-wear performance
- Good rust and corrosion resistance
- Resistance to foaming
- Good transmission life through resistance to oxidation

PERFORMANCE

- API GL-1

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
SAE Grade	90	140
Kinematic Viscosity @40°C, mm ² /s	211.2	435.5
Kinematic Viscosity @100°C, mm ² /s	18.4	29.5
Viscosity Index	96	96
Density @ 15°C Kg/L	0.889	0.8936
Pour Point °C	-15	-12
Flash Point ,(COC), °C	270	282
Foaming - Seq - I, II, III (ml/ml)	0/0, 20/0, 0/0	0/0, 20/0, 0/0

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	90	140
PRODUCT CODE	30400010005	30400010006

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Automotive



TRACTOR

TRACTOR



DESCRIPTION

Petrogulf EVO TRANS STUO is designed to serve nearly the entire farm lubricating oil needs all year round in all types of tractor engines, transmissions, final drives, hydraulic system and brakes

APPLICATIONS

Petrogulf Evo Trans STUO is recommended for use in gasoline engines and other utility vehicles around the farm. It can be used as transmission oil, hydraulic oil, wet-brakes and power take-off clutches

FEATURES & BENEFITS

- Multi-application additive package enables use in engines, transmission, final drives and hydraulic system.
- Protection against acid, varnish, carbon deposits, formation of gums, and reduces oil thickening.
- Multi-viscosity characteristic ensures rapid oil circulation on start-up, preventing wear.
- Special friction modifier component that allows smooth action of the wet brakes and power take-off clutches

PERFORMANCE LEVELS

- | | | | |
|--------|---------|-------------------|---------------------------|
| • API | CE/SF | • Allison | C4 |
| • CCMC | D3/G3 | • John Deer | J-20A |
| • MI | L-2104D | • Ford | M2C 159B |
| • MB | 227.1 | • Massey Ferguson | M 1139 |
| • API | GL-4 | • ZF TE-ML | 06 page 3 & 4 Part B & 07 |
| • CAT | TO-2 | • Mac | EOK-2 |

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
	15W-40	20W-40
SAE Grade	15W-40	20W-40
Kinematic Viscosity @40 °C mm ² /s	110.1	126.5
Kinematic Viscosity @100°C mm ² /s	14.5	14.40
Viscosity Index	135	114
Density @ 15°C Kg/L	0.874	0.880
Pour Point °C	-30	-27
Flash Point ,(COC), °C	230	240
CCS Viscosity, CP	6400	7200
CCS temp °C	-20	-15
TBN, mgKOH/g	11.0	11.0

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

SAE GRADE	15W-40	20W-40
PRODUCT CODE	31811000015	31812000011

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf EVO TRANS UTTO is a high-quality multipurpose tractor oil formulated from high quality hydrotreated base stocks and carefully selected additives, designed to deliver the best performance in transmission, hydraulic, final drive, PTO systems and wet brakes system of modern tractors working in severe conditions. It meets all the lubrication requirements of tractors with all-weather performance. Forms a protective oil film for all the tractor components and protect components against break down. It has unique water tolerance properties, high oxidative and thermal stability and an optimized friction system. It has high detergency level and excellent oxidation stability with good antiwear properties.

FEATURES & BENEFITS

- Excellent high temperature stability and viscosity control
- High detergency level.
- Excellent oxidation stability
- Good antiwear properties
- Anti-friction agents provide smooth braking.
- Ensures noise-free operation of immersed brakes.

RECOMMENDED USE

- Wide range of transmissions, hydraulics, PTOs, final drives & wet brake systems of farm tractors.
- For use in tractors manufactured by all major OEMs like Mahindra, TAFE, Eicher, SAME, ITL, Swaraj, Escorts, John Deere, New Holland, Sonalika, etc

PERFORMANCE LEVELS

- John Deere: JDM J20 C/D
- Massey Ferguson: CMS M 1135/ M1141/M 1143/M 1145
- Case New Holland: MAT 3505/3509/3525

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
SAE Grade	UTTO 10W-30
Kinematic Viscosity @40 °C mm ² /s	69.2
Kinematic Viscosity @100°C mm ² /s	11.66
Viscosity Index	164
Density @ 15°C Kg/L	0.870
Pour Point , °C	-36
Flash Point ,(COC), °C	230
CCS Viscosity, CP	5600
CCS temp °C	-25
TBN, mgKOH/g	8.5

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	10W-30
PRODUCT CODE	31812000011

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



**2 WHEELS &
3 WHEELS**



**2T ENGINE &
4T ENGINE**



MOTORBIKE

Automotive

DESCRIPTION

Petrogulf EAGLE 4T Oil is a series of premium, fully synthetic, shear-stable, multigrade, multifunctional lubricants developed specifically for gasoline motorcycle engines, clutches and gearboxes working under severe duty conditions. Its high frictional properties guarantee the clutch engagement for enhanced acceleration. Full Synthetic formulation and carefully selected additives provide excellent protection against wear, deposits formation and thermal breakdown, keeping the performance throughout the full oil service life

FEATURES & BENEFITS

- Excellent oxidation stability under exposure to high operating temperature
- Optimized frictional properties that deliver smooth clutch operation
- Protects vital gear & clutch components to maximize their service life
- Provides exceptional protection against rust and keeps engine parts protected from wear
- Provides long drain intervals - Reduced fuel consumption (SAE 10W-30)
- Wide operating conditions from mild to severe

APPLICATIONS

Petrogulf Eagle 4T Oil is highly recommended for use in four-stroke gasoline motorcycle Engine, Clutch and Gear (ECG) applications such as Honda, Suzuki, Kawasaki, Yamaha, Bajaj and other motorcycles that require the specifications below

PERFORMANCE LEVELS

- API SN, JASO MA2

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
	10W-30	10W-40	20W-40	20W-50
SAE Grade	10W-30	10W-40	20W-40	20W-50
Kinematic Viscosity @40°C, mm ² /s	71.6	100.1	126.2	163.5
Kinematic Viscosity @100°C, mm ² /s	11.3	14.5	14.6	18.6
Viscosity Index	150	150	117	128
Density @ 15°C Kg/L	0.864	0.868	0.875	0.878
Pour Point, °C	-36	-36	-30	-30
Flash Point ,(COC), °C	222	226	234	240
CCS Viscosity, CP	5400	6500	6300	7600
CCS temp °C	-25	-25	-15	-15

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

SAE GRADE	10W-30	10W-40	20W-40	20W-50
PRODUCT CODE	32349040011	32349040012	32349040016	32349040017

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf EAGLE 4T Oil is a series of synthetic base, shear-stable, multigrade, multifunctional lubricants developed specifically for gasoline motorcycle engines, clutches and gearboxes working under severe duty conditions. Synthetic base technology and carefully selected additives provide excellent protection against wear, deposits formation and thermal breakdown, keeping the performance throughout the full oil service life.

FEATURES & BENEFITS

- Full protection for engine, clutch and transmission
- High thermal stability and oxidation resistance
- Long engine life
- Low oil consumption
- Optimized frictional properties that deliver smooth clutch operation
- Reduced engine wear and deposits even in adverse conditions
- Wide operating conditions from mild to severe

APPLICATIONS

Petrogulf Eagle 4T Oil is highly recommended for use in four-stroke gasoline motorcycle Engine, Clutch and Gear (ECG) applications such as Honda, Suzuki, Kawasaki, Yamaha, Bajaj and other motorcycles that require the specifications below

PERFORMANCE LEVELS

- API SL, JASO MA2

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
	10W-30	10W-40	20W-40	20W-50
SAE Grade	10W-30	10W-40	20W-40	20W-50
Kinematic Viscosity @40°C, mm ² /s	69.2	99.2	124.0	160.1
Kinematic Viscosity @100°C, mm ² /s	11.0	14.4	14.5	18.5
Viscosity Index	150	150	118	130
Density @ 15°C Kg/L	0.862	0.866	0.871	0.875
Pour Point, °C	-36	-36	-30	-30
Flash Point ,(COC), °C	220	224	230	234
CCS Viscosity, CP	5200	6400	6200	7500
CCS temp °C	-25	-25	-15	-15

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.

SAE GRADE	10W-30	10W-40	20W-40	20W-50
PRODUCT CODE	32303030011	32303030012	32303030016	32303030017

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf POWER 2T is a mineral based two stroke motorcycle oils specifically designed for excellent engine protection and performance in high-speed engines. They guarantee superior control against exhaust system blocking and minimize exhaust smoke. These oils are suitable for oil-injection and premix systems and exceed requirements of leading manufacturers. Petrogulf Power 2T oils contain hydrocarbon diluents and can be used both in oil injection systems fitted to modern 2-stroke motorcycles and premix systems. The high amount of carefully selected additive components minimizes exhaust smoke reducing the environment impact.

KEY FEATURES & BENEFITS

- All 2 stroke motorcycle engines with oil injection or premix system.
- Recommended for high-performance air and water cooled 2 stroke engines.
- Oil formulation is carefully balanced and specifically tested in 2 stroke engines to prevent scuffing, ring sticking and deposit formation. The engine life is prolonged and the original level maintained.
- Specific burning characteristics allow fast adaptation to new driver requirements improving acceleration performances and increasing power output.

PERFORMANCE LEVELS

- Exceed JASO FC and the requirements of leading motorcycle manufacturers.

TYPICAL CHARACTERISTICS

TEST PARAMETER	TYPICAL VALUES
SAE Grade	30
Kinematic Viscosity @40 °C mm ² /s	67.1
Kinematic Viscosity @100°C mm ² /s	9.85
Viscosity Index	130
Density @ 15°C Kg/L	0.863
Pour Point ,°C	-33
Flash Point °C (PMCC)	110

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

PRODUCT GRADE	30
PRODUCT CODE	31300010001

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf Low Ash POWER 2T Engine Oil is an-advanced technology top graded 2-stroke motor oil formulated with fully synthetic base oil and low-ash additive package to release maximum power with minimum drag.

APPLICATIONS

Petrogulf Low Ash POWER 2T Engine Oil is recommended for high performance motorcycles, especially for road use. It is also recommended for smaller engines fitted in Scooters, Lawn mowers and other small equipment. It should be added with gasoline in the ratio recommended by the equipment manufacturer.

KEY FEATURES & BENEFITS

- The superior combustion characteristics of the special blend of unique fully synthetic oil and additives significantly reduce visible smoke in exhaust emission providing environmentally friendly lubricants.
- Controls Combustion Chamber and Spark Plug deposit build-up.
- Excellent miscibility with Gasoline.
- Keeps pistons, rings, plugs and exhaust ports clean

PERFORMANCE LEVELS

- API TC
- JASO FD
- ISO L-EGD

TYPICAL CHARACTERISTICS

TEST PARAMETER	TYPICAL VALUES
Kinematic Viscosity @40 °C mm ² /s	Report
Kinematic Viscosity @100°C mm ² /s	9.00
Viscosity Index	Report
Density @ 15°C Kg/L	0.8720
Pour Point °C	-30
Flash Point °C (PMCC)	70
Color ASTM	L2.0

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

PRODUCT GRADE	2T
PRODUCT CODE	31300020001

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf TUK-TUK Engine oils are specially designed keeping in view the high temperature operating conditions encountered in air cooled 2-wheeler/3-wheeler engines unlike in the case of passenger car engines, which are water cooled. Further these oils possess special frictional properties required for smooth operation of wet clutches used in these vehicles. These oils provide outstanding oxidation and wear protection for extended oil & engine life. These oils minimize engine deposits due to excellent sludge and varnish control. Being multigrade oils, these are suitable for use in all seasons. It is specially recommended for vehicles operating at high ambient temperatures and/or severe operating conditions.

KEY FEATURES & BENEFITS

- Maximizes engine life through outstanding wear and deposit control under the most severe high and low temperature operating condition.
- Reduces maintenance costs by maximizing the drain intervals, resisting oil degradation and protection against resultant engine damage under most severe high-temperature conditions.
- Protects against start up wear through exceptional low temperature fluidity.
- Minimizes oil consumption under all operating conditions through superior viscosity retention.
- Outstanding protection for 2-wheeler/3-wheeler gasoline engines.
- Suitable for use in Tuk Tuk (Autorickshaws) operating on Petrol fuel.

PERFORMANCE LEVELS

- API SJ/CF
- ACEA A3/B3/B4

TYPICAL CHARACTERISTICS

TEST PARAMETER	TYPICAL VALUES
SAE Grade	20W-50
Kinematic Viscosity @40 °C mm ² /s	168.0
Kinematic Viscosity @100°C mm ² /s	18.80
Viscosity Index	130
Density@15°C Kg/L	0.881
Pour Point ,°C	-27
Flash Point ,(COC), °C	230
CCS Viscosity, CP	7500
CCS temp °C	-15
Sulphated Ash,% w/w	0.8

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

PRODUCT GRADE	20W-50
PRODUCT CODE	33700000017

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



PRODUCT DATA SHEET

MOTORCYCLE ENGINE OIL

DESCRIPTION

Petrogulf OUTBOARD 2T is high performance, ashless, 2-cycle engine oil developed to meet the most critical requirements of modern water-cooled outboard engines. It is designed for the harsh operating conditions of marine environment and exceeds the stringent performance requirements of the latest National Marine Manufacturers Association's specification NMMA TC-W3®. The advanced ashless additive technology used in this oil provides excellent lubricity and protection against wear & rust.

APPLICATIONS

- Recommended for and meets the warranty requirements of the latest high output 2- Cycle water cooled outboard engines requiring NMMA TC-W3® quality oils.
- Also recommended for 2-Cycle, water cooled outboard engines where NMMA TCW2®, NMMA TCW® or other general-purpose lubricants are required.
- It is suitable for adding as a premix with gasoline or injecting through variable ratio oil injection systems

KEY FEATURES & BENEFITS

- The latest additive technology helps in protecting the piston from scuffing, ensuring cleaner engines and minimizing combustion chamber deposits with negligible port clogging.
- The special ashless detergents protect against piston ring sticking, spark plug fouling and preignition.
- Special rust inhibitors guard against the formation of rust & corrosion even in marine salt water environment.
- Ensures easy mixing and forms stable mixtures with gasoline even at low ambient temperatures.

PERFORMANCE LEVELS

- API NMMA
- API TC TC-W3 #RL-99050M

TYPICAL CHARACTERISTICS

TEST PARAMETER	TYPICAL VALUES
Kinematic Viscosity @40 °C mm ² /s	Report
Kinematic Viscosity @100°C mm ² /s	7.50
Viscosity Index	130
Density @ 15°C Kg/L	0.867
Pour Point ,°C	-33
Flash Point °C (PMCC)	96
Color ASTM	L2.0

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

PRODUCT GRADE	OUTBOARD 2T
PRODUCT CODE	31400010001

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf Super Clean FLUSHING Oil is a low viscosity, straight mineral oil designed for flushing lubricating systems in general.

FEATURES & BENEFITS

- Pure oil compatible with all types of engine oils.
- Effective in cleansing mobile sludge from inner engine surfaces

APPLICATIONS

- After draining used sump oils from warm engines, the drain plugs should be reinserted and the engines refilled to the minimum oil level.
- Engines may then be run for 2 to 3 minutes under tick-over conditions, in order to circulate the oil and effectively wash the inner surfaces of the engine.
- Engines should not be run under load conditions while flushing oil is in use.
- After circulation, the engine should be switched off, the drain plug removed and the charge of flushing oil drained from the engine. If the flushing oil appears to be excessively dark in color, then the flushing operation may be repeated until only mild discoloration relative to the appearance of new flushing oil is observed. Finally, drain the flushing oil before replacing the drain plug and charging the engine with new lubricating engine oil.

TYPICAL CHARACTERISTICS

TEST PARAMETER	TYPICAL VALUES
Kinematic Viscosity @40 °C mm ² /s	30.5
Kinematic Viscosity @100°C mm ² /s	5.35
Viscosity Index	109
Density @ 15°C Kg/L	0.868
Pour Point, °C	220
Flash Point °C	-12

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

PRODUCT CODE

31600000000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



GREASE

Automotive

DESCRIPTION

Petrogulf LITHIUM MP are multipurpose type greases, and such are suitable for most grease application. These are multipurpose type grease (NLGI consistency No. 0, 1 & 2). They are lithium 12-hydroxystearate soap thickened greases compounded with lead-free, anti-rust and anti-oxidation properties in both steel and steel-on-bronze applications.

KEY FEATURES & BENEFITS

- Outstanding corrosion preventive for industrial applications
- It resists the washing action of water, and is suitable for applications where water contamination is encountered.
- Excellent pumpability in centralized systems Protects against rust and corrosion.
- Effective leakage control

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
Color	Amber	Amber	Amber	Amber
Texture	Smooth	Smooth	Smooth	Smooth
NLGI Grade	0	1	2	3
Thickener Type	Lithium	Lithium	Lithium	Lithium
Type of Base Oil	Mineral	Mineral	Mineral	Mineral
Base Oil Kinematic Viscosity @40°C, mm ² /s	17	17	17	17
Base Oil Kinematic Viscosity @100 °C, mm ² /s	220	220	220	220
Worked Penetration (60 strokes @25,°C), mm/10	360	320	275	240
Dropping Point, °C	>160	>180	>190	>190
Estimated Operating Temperature Range ,°C	-20°C to 130°C	-20°C to 130°C	-20°C to 130°C	-20°C to 130°C

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

NLGI GRADE	0	1	2	3
PRODUCT CODE	32520003000	32520003100	32520001800	32520001900

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf LITHIUM EP Greases are high-performance, multipurpose lubricants designed for demanding applications involving heavy loads, high pressures, and oscillating machine movements. These extreme-pressure greases (NLGI grades 0, 1, and 2) are formulated with lithium 12-hydroxystearate soap and fortified with lead-free EP additives to deliver exceptional load-carrying capability and anti-wear protection. They perform reliably in both steel-on-steel and steel-on-bronze systems, ensuring durable lubrication across a wide range of industrial and automotive applications.

KEY FEATURES & BENEFITS

- Outstanding load carrying capacity
- It resists the washing action of water, and is suitable for applications where water contamination is encountered.
- Excellent pumpability in centralized systems Protects against rust and corrosion.
- Effective leakage control

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
	0	1	2	3
NLGI Grade				
Texture		Smooth	Smooth	Smooth
Color	Amber	Amber	Amber	Amber
Soap Type	Lithium	Lithium	Lithium	Lithium
Dropping Point, °C	>190	>190	>190	>190
Worked Penetration (60 strokes @25,°C), mm/10	360	320	270	230
Four Ball Weld Load, Kg	250	250	250	250
Operating Temperature Range, °C	-20 to 100	-20 to 100	-20 to 130	-20 to 130

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

NLGI GRADE	0	1	2	3
PRODUCT CODE	32520002000	32520002100	32520002200	32520002300

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

PetroGulf HIGH TEMPERATURE Greases are new generation high performance, high temperature, heavy load bearing and water resistant greases developed with a unique thickener system. This grease is non -melting, inorganic clay-thickened grease with EP & antirust properties which shows outstanding heat resistance as its thickener is non-melting. This grease is recommended for general industry which requires grease that does not melt where high temperature or very high temperature is experienced.

KEY FEATURES & BENEFITS

- PetroGulf High Temperature Grease minimizes the chances of bearing failure at high temperatures
- Good water wash out & protects against rusts
- Maintains effective lubrication at high temperatures through its strong resistance to softening
- Ideal for use in furnace door bearings and kiln car wheel bearings on shafts extending through furnaces
- Resists shock loading
- Excellent load resistance, with un-equalized EP and anti-wear properties
- Excellent behavior in a wide range of temperatures of use, from -15 to +120°C
- Superior adhesiveness to metal surfaces and resistance to water washing out action
- Exceptional mechanical stability, even in presence of water
- Excellent antirust properties
- Excellent resistance to oxidation
- Easy pumpability by centralized lubrication system

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
NLGI Grade	2
Thickener	Inorganic (Clay)
Dropping Point, °C	Not Applicable
Worked Penetration (60 strokes @25,°C), mm/10	282
Base Oil Kinematic Viscosity @40°C, mm ² /s	96.0
Base Oil Kinematic Viscosity @100°C, mm ² /s	10.5
Operating Temperature Range, °C Continuous service, °C With frequent lubrication, °C	-15 to 120 250 to 270

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

NLGI GRADE	2
PRODUCT CODE	32524002400

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf LITHIUM MOLY Grease is premium high base oil viscosity grease recommended for heavy duty applications in construction, industrial, and mining environments. PetroGulf Lithium Moly Grease is lithium extreme pressure grease containing 3% molybdenum disulfide (moly). It is used for plain and antifriction bearings, ball joints, kingpins, hinge and bucket pins and heavy duty applications. It is suitable for industrial gear and bearing sets and applications where optimum load carrying ability and reduced sliding friction is desired. Petrogulf Lithium Moly grease is recommended for heavy duty applications in on-and-off-highway equipment and heavily loaded industrial applications.

KEY FEATURES & BENEFITS

- 3% molybdenum disulfide & outstanding film strength.
- Excellent load carrying properties
- Good resistant to water washout, rust & corrosion protection.
- Long service life due to excellent oxidation & mechanical stability
- Enhanced protection under severe heavy-duty, low-speed operating conditions through solid film (Molybdenum Disulfide) lubrication

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
	2	3
NLGI Grade	2	3
Texture	Smooth	Smooth
Color	Dark Grey	Dark Grey
Soap Type	Lithium	Lithium
Dropping Point, °C	190	192
Worked Penetration (60 strokes @25,°C), mm/10	280	230
Base Oil Kinematic Viscosity @40°C, mm ² /s	218	210
Estimated Operating Temperature Range ,°C	-25°C to 135°C	-25°C to 135°C
Extreme pressure (EP) performance (Timken Ok Load), Kg	40	40

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

NLGI GRADE	2	3
PRODUCT CODE	32525002400	32525002900

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf LITHIUM COMPLEX is multi-purpose optimum quality lithium complex grease for a wide range of industrial, automotive, commercial and off highway applications. It has excellent high temperature performance and features oxidation stability and rust protection with noted resistance to chemical breakdown. Petrogulf Marine Lithium Complex has a performance oriented, extreme pressure and anti-wear package for acclaimed service under conditions of high loading and severe shock loading.

APPLICATIONS

- Suitable for low and high temperature applications.
- Overcome problems related to excessive vibrations.
- Provides protection against corrosion & water washout in wet conditions
- Suitable for applications where extended lubrication intervals are recommended
- Heavy duty equipment used in marine, off-shore, cement, mining / quarrying, agriculture & forestry/ logging, off highway and other industrial as well as automotive applications under severe conditions.
- General lubrication of axles, ball joints, universal joints, couplings, power take-offs, bushings and disc brakes.

TYPICAL CHARACTERISTICS

TEST PARAMETER	TEST RESULT	
Color	Light Brown	Light Brown
Texture	Smooth	Smooth
NLGI Grade	2	3
Thickener Type	Lithium Complex	Lithium Complex
Type of Base Oil	Mineral	Mineral
Base Oil Kinematic Viscosity @40°C, mm ² /s	220.0	220.0
Base Oil Kinematic Viscosity @100°C, mm ² /s	17.0	17.0
Worked Penetration (60 strokes @25,°C), mm/10	285	240
Dropping Point, °C	280	245
Estimated Operating Temperature Range ,°C	-25 °C to 130 °C	-20 °C to 130 °C

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

NLGI GRADE	2	3
PRODUCT CODE	32522002200	32522002300

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

WIRE ROPE GREASE

GREASE
DESCRIPTION

Petrogulf WIRE WROPE Grease is a semi-fluid grease with a combination of lubricating solids and molybdenum disulphide designed for the lubrication and corrosion prevention requirements of wire ropes working under all conditions, including marine environments. Wire Rope Grease penetrates between the strands to the core of the rope providing complete rope lubrication.

FEATURES & BENEFITS

- Rapidly penetrates wire ropes.
- Provides high load carrying capacity.
- Repels water.
- Provides excellent anti-wear properties.
- Provides high corrosion protection.

APPLICATIONS

- Wire ropes and cranes
- Dockyard cranes
- Chair lifts
- Flying foxes
- Slipways and marine cable systems

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Lubricating Solids	Asphaltene/Molybdenum Di-sulphide
Flash point (PMCC), °C	>60 C
Base Oil Pour Point ,°C	< 5 C
Estimated Operating Temperature Range ,°C	-20 °C TO 100 °C

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

PRODUCT CODE	32543000000
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Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf CS Grease is a heavy-duty, multipurpose grease formulated with calcium sulfonate complex soap for a wide range of marine, industrial, and automotive applications. It is manufactured using high-quality solvent-refined base oils and fortified with advanced performance additives to provide excellent structural stability, water washout resistance, and protection against wear and corrosion. This grease is specifically designed to deliver superior performance in demanding environments such as marine, offshore, and heavy-duty off-highway applications.

APPLICATIONS

- Heavy duty equipment used in marine, off-shore, cement, mining / quarrying, agriculture & forestry/ logging, off highway and other industrial as well as automotive applications under severe conditions
- General lubrication of axles, ball joints, universal joints, couplings, power take-offs, bushings and disc brakes

TYPICAL CHARACTERISTICS

TEST PARAMETER	TEST RESULT			
	0	1	2	3
NLGI	0	1	2	3
Colour	Any	Any	Any	Any
Texture	Buttery	Buttery	Buttery	Buttery
Type of Base Oil	Mineral	Mineral	Mineral	Mineral
Estimated Operating Temperature Range , °C	-25 °C to 150 °C	-25 °C to 150 °C	-25 °C to 180 °C	-25 °C to 180 °C
Base Oil Kinematic Viscosity @40°C, mm ² /s	430	430	430	430
Worked Penetration (60 strokes @25,°C), mm/10	350	345	280	270
Dropping Point, °C	264	264	304	330
Four Ball Weld Load; Kg	500	500	500	500
Extreme pressure (EP) performance (Timken Ok Load), Kg	65	65	65	65
Copper strip corrosion @ 100°C for 24 hrs.	1A	1A	1A	1A
Rust Preventing Characteristics	Pass	Pass	Pass	Pass

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

NLGI GRADE	0	1	2	3
PRODUCT CODE	32523000000	32523002800	32523002400	32523002900

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Industrial

CONSTRUCTION

MINING



G

INDUSTRIAL

SPECIALITY

INDUSTRIAL



DESCRIPTION

Petrogulf MAXON AW is a premium quality rust & oxidation (R&O) and anti-wear additivated hydraulic fluid designed primarily for mobile and stationary equipment operating continuously and subjected to wide variations in ambient and operating temperatures. R&O Hydraulic Oils are designed for use in many applications that require protection against rust and oxidation. They separate rapidly from water and are hydrolytically stable. R&O Hydraulic Oils provide excellent foam, friction, filterability, rust and corrosion protection properties in addition to providing superior thermal and oxidative stability.

APPLICATION

Recommended for all hydraulic systems designed to use mineral oil-based fluid particularly in industrial, construction, agriculture, mining applications. They may be used for lightly loaded plain and anti-friction bearings, electric motors, machine tools, air compressors and circulating systems that require a rust and oxidation inhibited oil. R & O Hydraulic Oil can also be used in applications as gear oil where API GL-1 service is specified. It is widely used where non-detergent motor oils are specified.

KEY FEATURES & BENEFITS

- Mineral oil provides robust performance in typically dusty environment
- Good filterability and trouble-free operation in all conditions
- Enhanced thermal stability when operating continuously
- Extremely high control over wear, rust and corrosion to ensure long life of moving parts.
- Excellent protection against oxidation
- Compatible with most metals used in pumps and pistons
- Provides long service life by resisting oil thickening and harmful deposits
- Protects against rust and corrosion

PERFORMANCE PROFILE

- Parker (formerly Denison) HF-0, HF-1, HF-2 (HM, HV)
- Eaton M-2950-S and I-286-S3
- MAG P68, P69, P70 (HM, HV)
- DIN 51524-2 (HM); DIN 51524-3 (HV)
- ISO 11158 (HM, HV)
- ASTM D6158 (HM, HV)
- SAE MS 1004 (HM, HV)

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES				
	10	15	22	32	37
ISO Grade					
Kinematic Viscosity @40°C, mm²/s	10.8	15.4	22.0	32.33	37.5
Kinematic Viscosity @100°C, mm²/s	2.80	3.47	4.31	5.42	5.96
Viscosity Index	102	101	101	101	101
Density @ 15°C Kg/L	0.846	0.856	0.858	0.8640	0.868
Pour Point °C	-33	-33	-30	-30	-30
Flash Point (COC), °C	166	176	186	218	222
Air Release @ 50°C, min	1.0	1.5	1.5	2.0	2.5
Color ASTM	L0.5	L1.0	L1.0	L1.5	L1.5

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
ISO Grade	46	68	100	150
Kinematic Viscosity @40°C, mm ² /s	45.6	69.2	100.7	150.1
Kinematic Viscosity @100°C, mm ² /s	6.74	8.83	11.20	14.6
Viscosity Index	101	100	96	96
Density @ 15°C Kg/L	0.873	0.881	0.883	0.886
Pour Point °C	-27	-27	-21	-21
Flash Point (COC), °C	226	240	250	262
Air Release @ 50°C, min	3.0	3.5	-	-
Air Release @ 75°C, min	-	-	4.5	5.5
Color ASTM	L2.0	L2.5	L3.0.	L3.0

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ISO GRADE	10	15	22	32	37	46	68
PRODUCT CODE	30308000100	30308000200	30308000300	30308000400	30308000500	30308000600	30308000800
	100	150					
	30308001000	30308001100					

◀ ISO GRADE
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PREVIOUS PAGE

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
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DESCRIPTION

Petrogulf MAXON Hydraulic Oils High Viscosity Index are high-quality hydraulic oils specially developed to satisfy the wide temperature variations and viscosity range encountered with modern hydraulic systems and meets the requirements of the world's leading hydraulic equipment manufacturers. These oils are suitable for most hydraulic application such as machine tools, presses, as well as earthmoving equipment, can be used for lubrication of all high-pressure and high-speed vane, piston gear type hydraulic pumps, and for use in hydraulic equipment operating in extreme temperature conditions.

KEY FEATURES & BENEFITS

- Excellent anti-wear properties
- High resistance to oxidation resulting in longer service life
- High shear Stability
- Good demulsification properties, high resistance to foaming
- Compatible with all rubber seals
- High viscosity index due to highly refined base oils
- Excellent anti-corrosion and anti-rust properties
- Reduces maintenance costs
- Improves equipment performance

PERFORMANCE LEVELS

- Vickers 1-286-S, m-2950-S
- Denison HF-1, HF-2, HF-0
- Lee Norse 100-1
- US Steel 126,127
- Ford M-6C-32
- Cincinnati Milacron P-68, P-69, P-70
- General Motors LH-04-1, LH-06-1, LH-15-1
- DIN 51524 Part 2
- B.F. Goodrich 0152
- AFNOR E48-603

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
	10	15	22	32
ISO Grade				
Kinematic Viscosity @40°C, mm ² /s	10.2	15.4	22.2	32.0
Kinematic Viscosity @100°C, mm ² /s	2.96	3.89	4.92	6.33
Viscosity Index	154	154	153	153
Density @ 15°C Kg/L	0.830	0.848	0.858	0.865
Pour Point °C	-45	-42	-39	-39
Flash Point , (COC) °C	166	180	186	208
Air Release @ 50°C, min	1.0	1.0	1.5	2.0
FZZ Pass Load Stage, Kg	10	10	10	10
Zinc Content, % w/w	0.04	0.04	0.04	0.04
Color ASTM	L0.5	L1.0	L1.0	L1.5

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TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
ISO Grade	46	68	100	150
Kinematic Viscosity @40°C, mm ² /s	46.08	68.2	100.1	150.1
Kinematic Viscosity @100°C, mm ² /s	8.12	10.86	13.9	18.2
Viscosity Index	150	150	140	135
Density @ 15°C Kg/L	0.868	0.870	0.872	0.876
Pour Point °C	-39	-36	-33	-33
Flash Point , (COC) °C	224	230	238	242
Air Release @ 50°C, min	2.5	3.5	4.5	5.5
Air Release @ 75°C, min	-	-	4.5	5.5
FZZ Pass Load Stage, Kg	10	10	10	10
Zinc Content, % w/w	0.04	0.04	0.04	0.04
Color ASTM	L2.0	L2.5	L3.0.	L3.0

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

SAE GRADE	10	15	22	32	46
PRODUCT CODE	30309000100	30309000200	30309000300	30309000400	30309000600
	68	100	150		
	30309000800	30309001000	30309001100		



Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
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DESCRIPTION

Petrogulf MAXON ZF is a zinc-free, ashless, anti-wear lubricant formulated with high-quality mineral oils. These oils possess a high viscosity index and low pour point, ensuring a long, trouble-free service life. They are chemically stable under severe operating conditions and provide excellent protection against corrosion, emulsification, and unwanted foam formation.

APPLICATION

Suitable for use in a wide range of hydraulic systems, including those in industrial, automotive, and mobile equipment


KEY FEATURES & BENEFITS

- Superior thermal and hydrolytic stability
- High oxidation stability
- Good demulsibility and anti-foam properties
- High load-carrying capacity with excellent EP performance
- Excellent corrosion protection for both steel and non-ferrous metals
- Good filterability, reducing the tendency to block filters
- Reduced pump wear

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES				
ISO Grade	10	15	22	32	37
Kinematic Viscosity @40°C, mm ² /s	10.5	15.2	22.2	32.1	37.3
Kinematic Viscosity @100°C, mm ² /s	2.75	3.42	4.32	5.44	5.96
Viscosity Index	97	97	100	104	102
Density @ 15°C Kg/L	0.833	0.842	0.844	0.862	0.866
Pour Point °C	-33	-33	-30	-30	-30
Flash Point , (COC) °C	166	170	188	218	224
Air Release @ 50°C, min	1.0	1.5	1.5	2.5	3.0
Color ASTM	L0.5	L0.5	L1.0	L1.0	L1.0

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ISO GRADE
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Handling, Health and Safety

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TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
	46	68	100	150
SAE Grade	46	68	100	150
Kinematic Viscosity @40°C, mm ² /s	46.5	68.2	100.1	150.2
Kinematic Viscosity @100°C, mm ² /s	6.79	8.66	11.12	14.77
Viscosity Index	99	98	96	97
Density @ 15°C Kg/L	0.870	0.878	0.882	0.889
Pour Point °C	-30	-27	-24	-24
Flash Point , (COC) °C	228	234	244	256
Air Release @ 50°C, min	3.5	4.0	-	-
Air Release @ 75°C, min	-	-	4.5	5.5
Color ASTM	L1.5	L2.0	L2.5	L2.5

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	10	15	22	32	37	46	68
PRODUCT CODE	30310000100	30310000200	30310000300	30310000400	30310000500	30310000600	30310000800
	100	150					
	30310001000	30310001100					

◀ ISO GRADE
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Handling, Health and Safety

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DESCRIPTION

Petrogulf GEARSHIELD Syn EP Gear Oil specially formulated for all types of gears and bearings with higher oxidation resistance, hydrolysis resistance and anti-rusting properties. Petrogulf Synthetic Gear Oil series are premium quality synthetic heavy-duty industrial gear oils offering outstanding lubrication performance and load carrying capacity under severe operating conditions including shock loading. These are formulated from Polyalphaolefin (PAO) synthetic base stocks having exceptional oxidation resistance and thermal properties and excellent low temperature fluidity. Combination of naturally high VI base stocks and additive technology provides excellent protection against scuffing.

APPLICATIONS

- Bearing and circulation system where high temperatures are encountered.
- Heavy-duty marine encloses gears such as bow thruster and purifier.
- Industrial enclosed gear boxes operating under severe conditions like high load, extreme temperatures and wide temperature ranges.
- Severe heavy-duty gearboxes with high risk of micro pitting wear.

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES							
	46	68	100	150	220	320	460	680
ISO Grade	46	68	100	150	220	320	460	680
Kinematic Viscosity @40°C, mm ² /s	45.6	68.5	100.8	150.2	218.2	320.2	455	670
Kinematic Viscosity @100°C, mm ² /s	8.2	10.9	14.2	18.6	24.06	32.8	43	60
Viscosity Index	>140	>140	>140	>140	>135	>135	>140	>140
Density @ 15°C Kg/L	0.848	0.850	0.852	0.855	0.859	0.862	0.87	0.87
Pour Point, °C	-48	-45	-42	-39	-36	-30	-30	-30
Flash Point (COC), °C	216	226	230	234	238	244	250	256
Foaming Seq. I ml/ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
II ml/ml	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0
III ml/ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Brookfield Viscosity @ -18°C, cP	10000	11000	12000	13000	13600	22000	32000	41000
Brookfield Viscosity @-28°C, cP	15000	16000	17000	18000	18200	35000	57000	156000
FZG Test, DIN 51534,Fail Stage	>12	>12	>12	>12	>12	>12	>12	>12
FZG Micropitting, Load Stage	>10	>10	>10	10	10	10	10	10
FZG A/8.3/90, stage	>12	>12	>12	>12	>12	>12	>12	>12
Copper Corrosion@100 °C 3hrs	1A	1A	1A	1A	1A	1A	1A	1A
Rust Test	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.

ISO GRADE	46	68	100	150	220
PRODUCT CODE	30403000600	30403000800	30403001000	30403001100	30403001200
	320	460	680		
	30403001300	30403001400	30403001500		

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf PAG GEARSHIELD PRO EP Gear Oil (Poly Alkaline Glycol) specially formulated for all types of gears, particularly worm gears. Fortified with special gear oil additives with good oxidation stability and load carrying properties. It is expected to reduce sludge and deposit formation. Combination of naturally high VI base stocks and additive technology provides excellent protection against scuffing.

APPLICATIONS

- Bearing and circulation system where high temperatures are encountered.
- Heavy-duty marine enclose gears such as bow thruster and purifier.
- Provides energy saving due to inbuilt friction modifying characteristics
- Industrial enclosed gear boxes operating under severe conditions like high load, extreme temperatures and wide temperature ranges.

Note: incompatible with most mineral and PAO gear oils. End user is expected to follow OEMs requirements

PERFORMANCE LEVELS

DIN 51517 Part 3 (Group CLP)
David Brown
NF-ISO 6743-6 (CKS/CKT category)

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES							
ISO Grade	68	100	150	220	320	460	680	1000
Kinematic Viscosity @40°C, mm ² /s	68.5	100.8	150.2	218.2	320.2	460	700	1000
Kinematic Viscosity @100°C, mm ² /s	13	17.5	26	37	51	75	104	162
Viscosity Index	>175	>180	>190	>200	>210	>220	>230	>250
Density @ 15°C Kg/L	1.002	1.003	1.002	1.004	1.005	1.005	1.007	1.007
Pour Point, °C	-45	-42	-39	-30	-35	-30	-30	<-30
Flash Point (COC), °C	215	220	220	230	220	230	220	>250
FZG Test, DIN 51534, Fail Stage	>12	>12	>12	>12	>12	>12	>12	>12
FZG A/8.3/90, stage	>12	>12	>12	>12	>12	>12	>12	>12
Copper Corrosion@100 °C 3hrs	1A	1A	1A	1A	1A	1A	1A	1A
Rust Test	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

ISO GRADE	68	100	150	220	320
PRODUCT CODE	30439000800	30439001000	30439001100	30439001200	30439001300
	460	680	1000		
	30439001400	30439001500	30439001600		

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf GEARSHIELD EP Gear Oil series are high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions. These are blended from high quality base stocks and sulphur-phosphorous type extreme pressure additive system that gives excellent load carrying capability to provide protection against shock loading and wear. It is used in wide range of industrial spur, helical, bevel and steel-on-steel worm gears.

KEY FEATURES & BENEFITS

- Provides effective rust and corrosion protection to all gearbox components.
- High thermo-oxidative stability.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation

PERFORMANCE LEVELS

- DIN 51517 Part 3
- ISO 12925-1 Type CKC
- AGMA 9005 E-02
- David Brown S1.53 101(E)
- US Steel 224

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES									
ISO Grade	46	68	100	150	220	320	460	680	1000	1500
Kinematic Viscosity @40°C, mm ² /s	46.2	68.2	100.1	150.0	220.4	320.0	460	680	1000	1500
Kinematic Viscosity @100°C, mm ² /s	6.7	8.6	11.22	14.62	19.1	24.1	30.55	39.5	49.9	64.3
Viscosity Index	97	96	97	96	98	96	96	96	95	95
Density @ 15 °C	0.878	0.88	0.886	0.893	0.898	0.903	0.906	0.9120	0.9220	0.9226
Pour Point, °C	-21	-21	-18	-15	-15	-12	-12	-9	-9	-9
Flash Point (COC), °C	220	230	240	244	250	256	258	260	264	266
Foaming Seq. I ml/ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
II ml/ml	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0
III ml/ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
FZD, Pass Load Stage	12	12	12	12	12	12	12	12	12	12

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SAE GRADE	46	68	100	150	220
PRODUCT CODE	30415000600	30415000800	30415001000	30415001100	30415001200
	320	460	680	1000	1500
	30415001300	30415001400	30415001500	30415001600	30415001700

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf TURBINE Oils are formulated from highly refined GR II/GR III paraffinic base oils and selected ash-less additives to provide outstanding performance and protection in turbines. It has outstanding oxidation resistance and thermal stability at high temperatures to minimize deposit formation and provide long service life. It has excellent affinity for metal surfaces to protect against wear. It has natural detergency for improved cleanliness, protects against rust and corrosion. It also has excellent low temperature properties for use over a wide temperature range. These oils are recommended for steam, gas and hydraulic turbine systems.

FEATURES & BENEFITS

- Excellent oxidation stability
- Foam resistance
- Quick release of entrained air
- Protection against rusting & corrosion
- Excellent demulsification
- Good viscosity – temperature relation

PERFORMANCE LEVELS

- GEK – 32568E
- ASTM D4304 Type 1
- BS-489
- DIN 51515 Part 1 (TD) and Part 2 (TG)
- ISO 6743-5
- ISO 8068
- JIS K 2213 part I & II
- ALSTOM HTGD 90
- SIEMEN TLV 901304

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES				
ISO Grade	32	46	68	77	100
Kinematic Viscosity @40°C, mm ² /s	32.24	46.05	68.2	77.2	100.1
Kinematic Viscosity @100°C, mm ² /s	5.42	6.77	8.75	9.44	11.22
Viscosity Index	102	100	100	98	97
Density @ 15°C Kg/L	0.852	0.860	0.867	0.868	0.874
Pour Point, °C	-27	-27	-24	-24	-21
Flash Point (COC), °C	216	226	242	244	260
Air Release @ 50°C, min	2.0	2.0	3.0	3.5	-
Air Release @ 75°C, min	-	-	-	-	4.0
RPVOT @150 °C, (min)	>2000	>2000	>2000	>2000	>2000
Demulsification No (minutes)	60	60	90	120	140
FZG Failure Load Stage,	>10	>10	>10	>10	>10

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.

ISO GRADE	32	46	68	77	100
PRODUCT CODE	30500000400	30500000600	30500000800	30500000900	30500001000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf TURBINE Oils EP are formulated from highly refined GR II/GR III paraffinic base oils and selected ash-less additives to provide outstanding performance and protection in turbines. It has outstanding oxidation resistance and thermal stability at high temperatures to minimize deposit formation and provide long service life. It has high-load carrying capacity and excellent affinity for metal surfaces to protect against wear. It has natural detergency for improved cleanliness, protects against rust and corrosion. It also has excellent low temperature properties for use over a wide temperature range. These oils are recommended for steam, gas and hydraulic turbine systems.

FEATURES & BENEFITS

- Excellent oxidation stability
- Foam resistance
- Quick release of entrained air
- Protection against rusting & corrosion
- Excellent demulsification
- Good viscosity – temperature relation

PERFORMANCE LEVELS

- GEK – 32568E
- ASTM D4304 Type 1
- BS-489
- DIN 51515 Part 1 (TD) and Part 2 (TG)
- SIEMENS TLV 901304 & TLV 90105

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
ISO Grade	32	46	68
Kinematic Viscosity @40°C, mm ² /s	32.2	46.4	68.5
Kinematic Viscosity @100°C, mm ² /s	5.42	6.79	8.79
Viscosity Index	102	100	100
Density @ 15°C Kg/L	0.860	0.866	0.870
Pour Point, °C	-27	-24	-21
Flash Point (COC),°C	214	226	236
Air Release @ 50°C, min	2.0	2.0	2.5
RPVOT @150 °C, (min)	>2500	>2500	>2500
Demulsification No (minutes)	60	60	80
FZG Failure Load Stage,	>10	>10	>10

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

ISO GRADE	32	46	68
PRODUCT CODE	30515000400	30515000600	30515000800

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

PetroGulf CIRCULATION Oils are uninhibited mineral oils that have been solvent refined from high quality paraffinic base oils. They are an economical choice for applications requiring un-additized oils of an API SA quality. PetroGulf Circulation Oils are light-colored multi-purpose lubricating oils that may be suitable for use in machine tools, gear reducers, electric motors, sleeve bearings, air compressors, spindle bearings, roller and drive chains.

FEATURES & BENEFITS

PetroGulf Circulation Oils provide good natural lubricating properties and resist rust and corrosion. They have a narrow boiling range offering improved heat transfer properties in circulating systems where an inhibited mineral oil is recommended. These products have outstanding demulsibility characteristics for rapid water separation. Their low carbon foaming tendencies make them a choice lubricant for use in air compressors.

PetroGulf Circulation Oils are available in ISO viscosity grades (ISO VG), 22-460, to comply with most industrial applications. Follow equipment manufacturer recommendations for appropriate viscosity grades.

PERFORMANCE LEVELS

- Rust & Oxidation

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES							
	32	46	68	100	150	220	320	460
ISO Grade	32	46	68	100	150	220	320	460
Kinematic Viscosity @40°C, mm ² /s	32.2	46.5	68.5	100.2	150.1	220.2	320.3	460.1
Kinematic Viscosity @100°C, mm ² /s	5.42	6.78	8.78	11.23	14.65	18.9	24.2	30.6
Viscosity Index	102	99	100	98	96	96	96	96
Density @ 15°C Kg/L	0.860	0.870	0.878	0.880	0.889	0.890	0.897	0.8930
Pour Point, °C	-24	-21	-21	-18	-15	-15	-12	-12
Flash Point (COC), °C	214	226	240	246	260	266	278	292

**These characteristics are typical of current production. Whilst future production will conform to PetroGulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

ISO GRADE	32	46	68	100	150
PRODUCT CODE	30600000400	30600000600	30600000800	30600001000	30600001100
	220	320	460		
	30600001200	30600001300	30600001400		

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf COMPRESSOR Oils are blended from high quality solvent refined high viscosity index base oils and fortified with special additives. PetroGulf Air Compressor Oils are formulated to provide excellent oxidation resistance, rust and corrosion protection, and resistance to foaming. They have excellent oxidation resistance and thermal stability at high temperatures to minimize deposit formation and provide long service life. These oils protect against rust and corrosion. It has excellent water-separating properties to minimize the formation of emulsions and is resistant to excessive foam buildup. These oils are recommended for lubrication of single-stage and multi-stage reciprocating compressors where manufacturer specifies DIN 51506 VDL oil.

FEATURES & BENEFITS

- Excellent oxidation resistance and thermal stability
- Good foam resistance & low carbon-forming tendency
- Protects against rust and corrosion
- Excellent water-separating properties
- Protects against sludge and varnish formation
- The very low conradson carbon residue ensures the low carbon deposit and trouble-free performance.

PERFORMANCE LEVELS

DIN 51506 VDL

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES				
ISO Grade	32	46	68	100	150
Kinematic Viscosity @40°C, mm ² /s	32.1	46.4	68.6	98.96	150.1
Kinematic Viscosity @100°C, mm ² /s	5.4	6.8	8.7	11.12	14.7
Viscosity Index	102	100	98	97	97
Density @ 15°C Kg/L	0.872	0.880	0.880	0.888	0.889
Pour Point, °C	-27	-27	-24	-21	-18
Flash Point (COC), °C	210	220	230	248	254
FZG Failure Load Stage	11	11	11	11	11

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

ISO GRADE	32	46	68	100	150
PRODUCT CODE	30700000400	30700000600	30700000800	30700001000	30700001100

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SYN COMPRESSOR Oil series are advanced fully synthetic air compressor lubricants developed for use in rotary compressors of screw or vane design, reciprocating compressors and centrifugal compressors. The synthetic Polyalphaolefin (PAO) base fluids in combination with advanced additive technology provide effective lubrication of equipment working in extreme temperatures and severe operating conditions. These oils are specially designed to provide excellent thermo-oxidative stability and wear protection.

FEATURES & BENEFITS

- Excellent oxidation resistance and thermal stability
- Good foam resistance & low carbon-forming tendency
- Protects against rust and corrosion
- Excellent water-separating properties
- Protects against sludge and varnish formation
- The very low Conradson carbon residue ensures the low carbon deposit and trouble-free performance.

APPLICATIONS

- Air compressor with low discharge temperature
- Rotary sliding vane & screw compressor
- Compressors used in mobile and stationary applications
- Recommended for use in ABB Turbo Chargers fitted to low & medium speed diesel engines.
- DIN 51506 VDL

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES									
ISO Grade	15	32	46	68	100	150	220	320	460	680
Kinematic Viscosity @40°C, mm ² /s	15.0	32.0	46.0	68.0	100.0	150.0	220.0	320.0	460.0	680.0
Kinematic Viscosity @100°C, mm ² /s	3.65	5.92	8.04	10.79	14.88	19.98	25.8	35.2	45.5	60.5
Viscosity Index	131	131	148	149	155	154	149	156	155	156
Density @ 15°C Kg/L	0.822	0.830	0.838	0.840	0.844	0.848	0.850	0.855	0.859	0.860
Pour Point, °C	<-40	<-40	<-40	<-40	<-40	<-40	<-40	<-40	<-40	<-40
Flash Point (COC), °C	210	238	260	270	274	276	280	290	300	320
Acidity, mg KOH/g	0.35	0.35	0.39	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Foam Seq. I ml/ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
II ml/ml	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0
III ml/ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.

ISO GRADE	15	32	46	68	100
PRODUCT CODE	30703000200	30703000400	30703000600	30703000800	30703001000
	150	220	320	460	680
	30703001100	30703001200	30703001300	30703001400	30703001500

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf PE COMPRESSOR Oils are high performance fully synthetic refrigeration compressor oils specially designed to meet the stringent requirements of most modern refrigeration and air conditioning systems. These oils are formulated with Polyol Ester base fluids and provide excellent protection against oxidation degradation, wear and rust & corrosion.

FEATURES & BENEFITS

- Excellent thermo-oxidative stability controls deposits in evaporator tubes, improves heat transfer and improves oil life resulting in improved equipment reliability, availability and efficiency.
- Excellent wear and rust protection result in reduced maintenance costs and longer equipment life.
- Completely wax free and lower pour point prevents blockage and ensures smooth operation.
- Readily biodegradable and can be disposed off through conventional methods.
- Compatible with elastomers commonly used in the refrigeration system.

APPLICATIONS

- Mobile air conditioning, domestic refrigeration, residential and commercial air conditioning and heat pump, commercial refrigeration including transport refrigeration, Industrial refrigeration using HFC, CFC/HCFC, Carbon dioxide, HC refrigerants
- Marine refrigeration applications line food freezing and cold storage plants
- Suitable for use with most hydrofluorocarbon refrigerant gases and non-hydrofluorocarbon.

PERFORMANCE LEVEL

- DIN 51506 VDL

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
	32	55	68	100
ISO Grade	32	55	68	100
Kinematic Viscosity @40°C, mm ² /s	31.6	54.0	68.0	100
Density @ 15°C Kg/L	0.940	0.950	0.968	0.968
Pour Point, °C	-42	-42	-39	-33
Flash Point (COC), °C	270	280	290	290
Water Content, ppm	<100	<100	<100	<100

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

ISO GRADE	32	55	68	100
PRODUCT CODE	30714000400	30714000700	30714000800	30714001000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf DE COMPRESSOR Oil are fully synthetic air compressor lubricants developed for use in rotary compressors of screw or vane design, reciprocating compressors and heavy-duty turbo-chargers to provide long term lubrication in process gas compressors. The synthetic diester based compressor oil provides effective lubrication of equipment working in extreme temperatures and severe operating conditions.

FEATURES & BENEFITS

- Outstanding thermo-oxidative stability and excellent anti-wear protection leads to longer oil and equipment life
- Help in reducing maintenance cost and reduces fire and explosion hazard
- Excellent low volatility characteristics give low oil consumption and reduced top-up rates
- Improved surface properties result in very good anti-foaming and air release properties, superior Demulsibility and excellent protection against rust and corrosion
- Ash-less formulation ensures no interference with catalytic process as well as excellent filterability by minimizing oil filter blockage in wet condition

PERFORMANCE LEVEL

- DIN 51506 VDL

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
	46	68	100
ISO Grade	46	68	100
Kinematic Viscosity @40°C, mm ² /s	46.8	68.2	100.1
Density @ 15°C Kg/L	0.940	0.945	0.955
Pour Point, °C	-39	-36	-33
Flash Point (COC), °C	280	284	290
Water Separability Test @ 54°C, ml oil/water/emulsion (min)	40/38/2 (15)	40/38/2 (15)	-
Water Separability Test @ 82°C, ml oil/water/emulsion (min)	-	-	40/38/2 (20)

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

ISO GRADE	46	68	100
PRODUCT CODE	30713000600	30713000800	30713001000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf MACHINE WAY Oils based on paraffinic mineral oils containing anti-oxidant, anti-corrosion, load-carrying, adhesive and copper-protection additives. These oils have been tested on a Staticinemetre friction-testing machine, a rig designed to evaluate the lubricating properties of lubricants used for machine-tool slideway systems. They showed no indication of stick-slip at loads of 1.5 bar and 3.0 bar at a sliding velocity of 2mm/ sec on V and flat slideway surfaces

Petrogulf Machine Way Oils have also been tested in a modified Cincinnati Milacron thermal stability test with steel and copper test rods in the presence of water. Evaluation of the test rods to Cincinnati color corrosion standards shows the excellent protection given by the oils under these severe test conditions (24 hours at 100°C).

KEY FEATURES & BENEFITS

- Excellent work finish from the elimination of stick slip, particularly at low feed rates and high loads.
- Adhesive properties maintain oil film and resist removal by aqueous cutting fluids.
- Drainage from vertical slideways minimized by adhesive properties.
- Provide superior protection against rust and corrosion of non-ferrous metals.
- Extreme-Pressure (EP) additives give low slideway wear. - Low odor due to unique formulation of additives.
- Long life due to superior stability. - Suitable for most machine workshop, gearbox and hydraulic applications.
- Give excellent performance in combined slideway/ hydraulic systems

APPLICATIONS

Petrogulf Machine Way Oils are specially developed to cater for heavy loaded conditions at slow feed rates. They are recommended for the lubrication of both horizontal and vertical ways of machine tools.

PERFORMANCE LEVELS

- ISO 6743-4 HM (Hydraulic)
- ISO 6743-4 HG (Stick Slip)
- ISO 6743-13 GA (Slideway)
- CM P-47, P-50

TYPICAL CHARACTERISTICS

TEST PARAMETER	TYPICAL VALUES				
ISO Grade	32	46	68	150	220
Kinematic Viscosity @40 °C mm ² /s	32.0	46.0	68	150.0	220.0
Kinematic Viscosity @100°C mm ² /s	5.30	6.66	8.56	14.6	18.86
Viscosity Index	96	96	96	96	96
Density @ 15°C Kg/L	0.866	0.874	0.881	0.889	0.893
Pour Point	-21	-18	-15	-12	-9
Flash Point °C (COC)	214	220	226	234	244
Cu corrosion @100°C 3hrs	1A	1A	1A	1A	1A

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

ISO GRADE	32	46	68	150	220
PRODUCT CODE	31500000400	31500000600	31500000800	31500001100	31500001200

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf ROCK DRILL Oil is a series of lubricants formulated from highly refined base oils and special additives that provide full protection for air operated equipment including rock drills, hammers and percussion type equipment. It contains an adhesive agent to ensure that the oil clings to moving parts and is not easily flung off, giving low oil consumption and longer equipment life. It also contains anti-corrosion and extreme pressure additives to provide corrosion protection and heavy shock loads resistance.

FEATURES & BENEFITS

- EP protection prevents welding or scoring under constant shock loading
- Outstanding anti-wear properties
- Constant oil film minimizes wear to cylinders and other drill parts
- Effective rust and corrosion protection
- Excellent lubricity and good anti-foam properties
- Reduces water from displacing the lubricant and wetting the metal surface
- Low odor and low misting properties to ensure comfortable working conditions

APPLICATIONS

Petrogulf Rock Drill Oil is recommended for percussion-type air tools of all kinds, including rock drills, paving breakers, pneumatic pile drivers, ballast tampers, chipping hammers, etc., operating under either wet or dry conditions. It can be applied with air-line lubricators or from an integral reservoir in the tool or, in the case of larger crawler-mounted drills, from a central reservoir

PERFORMANCE LEVELS

- ISO 6743/11 – Class P

TYPICAL CHARACTERISTICS

TEST PARAMETER	TYPICAL VALUES						
ISO Grade	32	46	68	100	150	220	320
Kinematic Viscosity @40 °C mm ² /s	32.2	46.5	68.5	100.3	150.2	220.4	320.2
Kinematic Viscosity @100°C mm ² /s	5.44	6.88	8.89	11.60	15.3	18.88	24.15
Viscosity Index	103	103	103	103	103	96	96
Density @ 15°C Kg/L	0.868	0.874	0.880	0.886	0.889	0.892	0.896
Pour Point	-33	-33	-30	-27	-24	-24	-21
Flash Point °C (COC)	212	220	230	240	250	258	262

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

ISO GRADE	32	46	68	100	150
PRODUCT CODE	30900000400	30900000600	30900000800	30900001000	30900001100
	220	320			
	30900001200	30900001300			

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



PRODUCT DATA SHEET

INDUSTRIAL OIL

DESCRIPTION

Petrogulf GENERAL PURPOSE Oil is a series of mineral based fluids manufactured from high-quality base oils and contains no additive

FEATURES & BENEFITS

- Long service life without deposit formation or viscosity increase
- High General Purpose oil rates with improved operating efficiency
- Protection against corrosion - flexible for combined heating and cooling cycles.
- Inherent oxidation stability - low volatility

APPLICATIONS

Petrogulf General Purpose Oil is recommended for enclosed general purpose oil system that requires mineral oil and bulk fluid temperature not to exceed 250° C for closed loop heating system. It is also used as sealing media in oil film barrier seals on rotating equipment like compressors and crude oil pumps. Due to its inherent oxidation stability, it can maximize seals life. It is suitable for bearing and gear lubrication systems where the operating conditions are not severe. It is recommended for use in re-circulating and other closed oil systems. Also suitable for many industrial hydraulic applications where non-additive oils are required. Repeated until only mild discoloration relative to the appearance of new flushing oil is observed. Finally, drain the flushing oil before replacing the drain plug and charging the engine with new lubricating engine oil.

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES									
	10	22	32	46	68	100	150	220	320	460
ISO Grade										
Kinematic Viscosity @40 °C mm ² /s	9.50	22.1	30.50	46.2	68.10	99.6	150.4	220.1	320.3	455.6
Kinematic Viscosity @100°C mm ² /s	2.573	4.29	5.20	6.69	8.60	11.1	14.66	18.85	24.15	30.30
Viscosity Index	100	98	99	96	96	96	96	96	96	96
Density @ 15°C Kg/L	0.858	0.860	0.868	0.870	0.878	0.881	0.889	0.890	0.894	0.896
Pour Point	-30	-24	-15	-15	-12	-9	-9	-9	-9	-6
Flash Point °C (COC)	146	170	214	220	232	250	266	270	280	290
Total Acid No, mg KOH/g	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

ISO GRADE	10	22	32	46	68
PRODUCT CODE	31700000100	31700000300	31700000400	31700000600	31700000800
	100	150	220	320	460
	31700001000	31700001100	31700001200	31700001300	31700001400

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf MOULD Oil is an effective mold release compounds for cast concrete products. Formulated from highly refined mineral oils, it produces a high-quality concrete finish resisting blowholes and providing uniform surface finish.

FEATURES & BENEFITS

- Excellent performance in the prefabrication of aerated concrete with metal forms.
- High coverage, Water repellent; rust prevention

APPLICATIONS

- Ready to use packs – no dilution required.
- Manual fine hair brush application or spray application through fine mist.
- Spray application should only be with a nozzle giving a fine mist.
- Over application may result in surface retardation

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @40 °C mm ² /s	155.0
Kinematic Viscosity @100°C mm ² /s	14.88
Viscosity Index	95
Density @ 15°C Kg/L	0.895
Total Acid No, mg KOH/g	3.0
Color ASTM	15.0

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

PRODUCT CODE	31900000000
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Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf Mould Release F is based on special mineral oil raffinates which contain rust inhibiting and separating agents. They form a chemical-physical separating film which prevents the adhesion between formwork and concrete.

FEATURES & BENEFITS

- Easy and clean separation of formwork and concrete
- Flawless concrete surfaces
- Protection of formwork against corrosion and premature ageing
- Easy to process, user-friendly

Petrogulf Mould Release F is not water-soluble. It is ready-to-use and can be applied as a thin layer onto the clean formwork immediately. The formation of oil pools is to be avoided. Excess release agent must be removed.

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @40 °C mm ² /s	10.0
Density @ 15°C Kg/L	0.854
Pour Point °C	-33
Flash Point °C (COC)	170
Total Acid No, mg KOH/g	3.5

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

PRODUCT CODE	3191700000
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Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf DEGREASER WB is a heavy-duty water-based degreaser and cleaner for very effective cleaning of engines and other automotive parts that have a heavy residue of oil grease and dirt. It is a blend of fully biodegradable non-caustic phosphate free, non-acidic and glycol free. It is highly effective to degrease and remove soil from metal, plastic, cement surfaces, marine and heavy industrial environment. It has been specially developed to be non-harmful to all parts of the vehicle provided it is diluted to a suitable strength. Petrogulf Degreaser WB is eco-friendly and nonhazardous.

APPLICATIONS

- Effectively cleans the exterior of engines and transmissions systems
- At suitable dilutions it is an excellent cleaner for battery terminals, and exhaust pipe dirt
- It can be used for vehicle body parts, wheel rims that have heavy road grim automotive vehicles in Automatic car wash places, Service centers, Workshops etc.
- For cement concrete, it can be used for the removal of oil, grime and dirt's.
- Clean of industry machinery, machine parts, garage, floor, etc....
- Widely used in general cleaning of rigs and drill floor.

RECOMMENDED DILUTION WITH WATER

- 1:150 for windows and windshields.
- 1:40 for general vehicle cleaning.
- 1:10 for traffic film removal, degreasing, and wheel/rim cleaning.
- 1:3 - 5 with water for dirty and grimy engine cleaning.
- Use neat to clean extremely dirty and grimy engines. Dilution may vary according to the severity of the application

BENEFITS

- Effectively emulsifies oil and grease
- Fast acting and penetrating
- Safe to use on engine and other parts of the vehicle
- Bio-degradable and non-hazardous
- Non harmful to glass and paintwork at the recommended dilutions
- Contains no caustic, acids, phosphates, glycol ether or d-limonene
- No flash point or fire hazard Σ Non corrosive and no harmful fumes

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Color Visual	Yellow
Density @ 15°C Kg/L	1.02
Odor	Mild detergent odor
Flash Point, °C	Non-Flammable
PH	11 +/-1
Shelf Life	1 Year

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is use d.

PRODUCT CODE	3201800000
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Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf SOLUBLE CUTTING Oil is formulated from high quality base oils and combination of passive and extreme pressure additive package especially developed for cutting oils used in severe operations. This cutting oil is extremely effective at providing rust and corrosion protection of parts, cutting tools, and the machine.

FEATURES & BENEFITS

- Gives excellent surface finish on parts. Good oxidation stability.
- Corrosion and Rust protection of parts and machine.
- Excellent cooling properties that avoid overheating of parts and chips in machining operation.
- Reduce tool wear.
- Helps prevent varnish and sludge formation.
- Non-staining to ferrous and nonferrous metals.
- Increase tool life and faster machining

APPLICATIONS

Petrogulf Soluble Cutting Oil is multipurpose for turning, milling, reaming, drilling, shaping, broaching of a wide variety of metals. It has outstanding emulsion stability and readily mixes with water. It is recommended at 10:1 up to 20:1 water oil dilution for milling, boring and turning and 40:1 for grinding. The emulsion is prepared by adding oil to water and not vice versa. It is non-staining and can be used on both ferrous and non-ferrous metals

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
Kinematic Viscosity @ 40°C mm ² /s	41.5
Density @ 15°C Kg/L	0.894
Corrosion	0/1-1
Emulsion Stability(400ppm)-oil, %	NIL
Emulsion Stability(400ppm)-cream, %	NIL
Rust Prevention Breakpoint	20:1
Color ASTM	L3.0
PH	9.5

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

PRODUCT CODE	3210000000
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Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

THERM OIL

INDUSTRIAL OIL

DESCRIPTION

Petrogulf THERM Oils are specialized products made from highly refined, high Viscosity Index, paraffinic base oils. They are non-toxic and exhibit excellent resistance to thermal cracking and oxidation. The high heat content and high thermal conductivity facilitates rapid heating and efficient operation of the heat transfer system. The heat transfer fluid is to be used in systems with forced circulation, thermal fluid heating system and open systems operating at up to 200 °C and closed systems operating at bulk oil temperatures up to 320°C.

FEATURES & BENEFITS

- Excellent thermal efficiency and stability
- Helps ensure long oil life through outstanding thermal and oxidation stability which helps prevent sludging or deposit formation inside piping.
- Good rust and corrosion protection
- Help prevent rusting or corrosive problems in circulating oil system.
- Excellent performance at temperature extremes
- Outstanding thermal stability helps assure minimal thermal cracking at high temperatures or in repeated cycling from low to high temperatures.
- Ease of pumping and circulation
- Excellent stability helps assure minimal oxidation and helps prevent sludging or deposit formation inside piping.
- Minimized makeup oil
- Low vapor pressure combined with low volatility and high flash point means minimum evaporative loss

APPLICATIONS

Petrogulf Thermal Oils are recommended for use in heat transfer systems where fuel oil, gas, or electricity is used to heat a fluid, which then transfers the heat to the point of application

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
ISO Grade	32	46	68
Kinematic Viscosity @40°C, mm ² /s	31.5	45.5	67.6
Kinematic Viscosity @100°C, mm ² /s	5.36	6.77	8.77
Viscosity Index	103	102	102
Density @ 15°C Kg/L	0.868	0.870	0.878
Pour Point, °C	-12	-9	-9
Flash Point, COC, °C	214	224	240
Auto-ignition Temperature °C	350	360	370
Total Acid No, mg KOH/g	0.02	0.02	0.02
Color ASTM	L0.5	L1.5	L2.0

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.*

ISO GRADE	32	46	68
PRODUCT CODE	32200000400	32200000600	32200000800

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf INHIBITED TRANSFORMER Oil is a highly refined, efficient performance inhibited transformer oil, formulated with a mineral base stock providing good dielectric strength and low temperature properties. This oil offers good oxidation stability.

KEY FEATURES & BENEFITS

- High dielectric strength
- Good low temperature properties
- Oxidation stability helps ensure long oil service life
- Oil passes 2006 Oil/Copper interactions tests as described in ASTM D 1275B

PERFORMANCE LEVELS

- IEC 60296 (03) Special applications (Inhibited)
- BS 148 IIA (1998)
- LABORELEC LBE-specifications according to "Technical specifications of unused mineral insulating oils for transformers, ed.4, 2005"

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
SAE Grade	30
Kinematic Viscosity @40 °C mm ² /s	9.4
Density @ 15°C Kg/L	0.871
Pour Point, °C	-60
Flash Point °C (COC)	148
Total Acid No, mg KOH/g	< 0.01
Water Content, ppm	< 20
Breakdown Voltage, kV	
• Before Treatment, kV	40-60
• After Treatment, kV	> 70
Appearance	Clear
Color ASTM	0.5

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	30
PRODUCT CODE	33345000000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf UNHIBITED TRANSFORMER Oil is a pure mineral hydrocarbon oil specially refined and blended from selected crude oils to comfortably surpass the limiting values of the international specifications IEC 296/1982 (Classes 1 and 2). Application for use as a transformer, switchgear and circuit breaker oil which conforms to the international specification IEC 296/ 1982 (Classes 1 and 2).

KEY FEATURES & BENEFITS

- High dielectric strength and low power-loss.
- High oxidation resistance.
- Low sludge formation.
- Excellent cooling properties.
- High purity and high flash point.

PERFORMANCE LEVELS

- IEC 296/1982 (Classes 1 and 2)
- IEC 60296-03 (Uninhibited)

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES
SAE Grade	30
Kinematic Viscosity @40 °C mm ² /s	11
Density @ 15°C Kg/L	0.885
Pour Point, °C	-57
Flash Point °C (COC)	146
Total Acid No, mg KOH/g	0.01
Water Content, ppm	< 20 mg/kg
Breakdown Voltage, kV • Before Treatment, kV • After Treatment, kV	40-60 > 70
Appearance	Clear
Color ASTM	<0.5

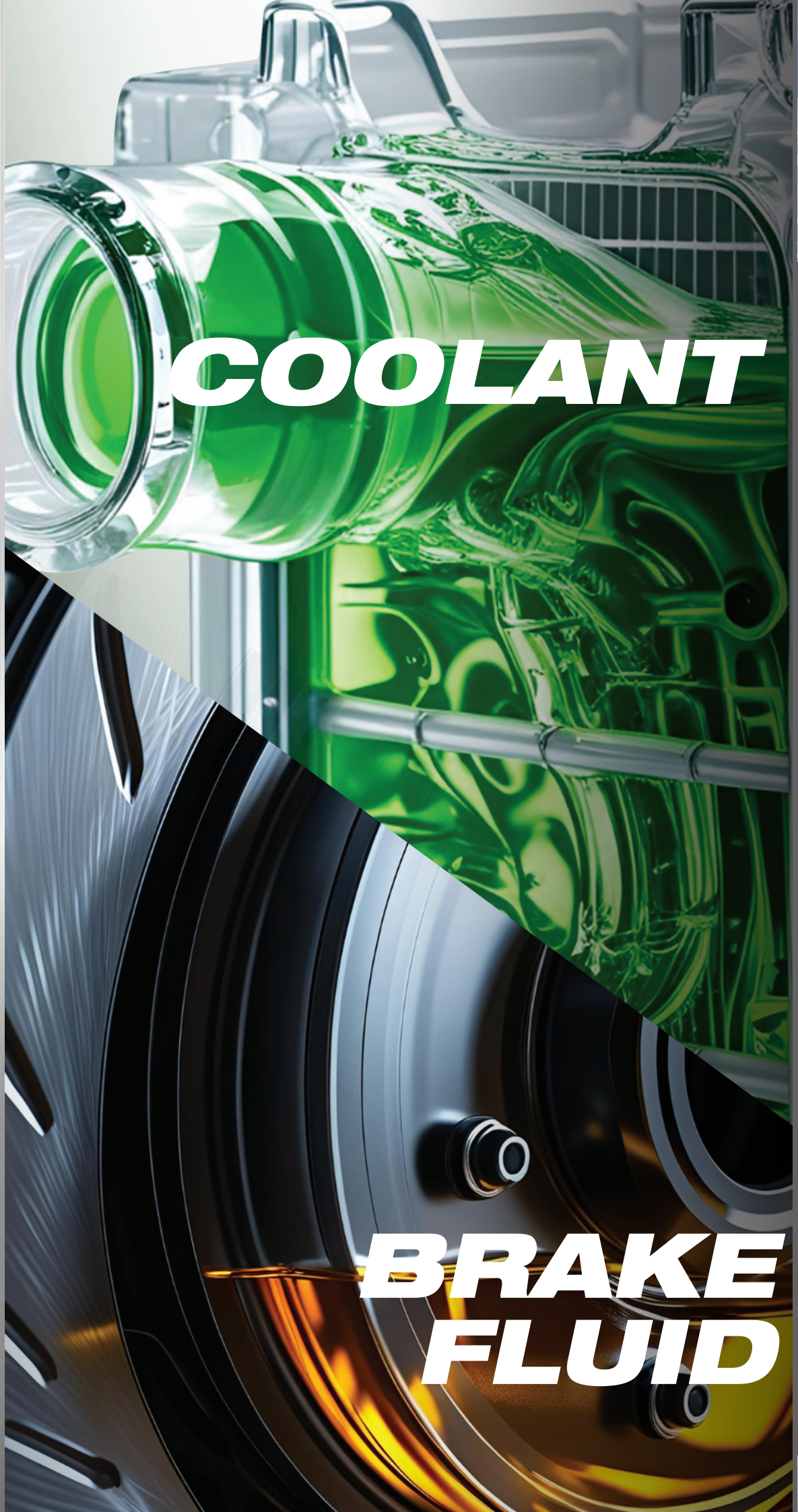
**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

SAE GRADE	30
PRODUCT CODE	3334600000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

Speciality



COOLANT

**BRAKE
FLUID**

DESCRIPTION

Petrogulf COOLWAVE Coolant is recommended for use in liquid cooling systems of automotive and industrial gasoline and diesel engines. They are available in various concentrations ready for use. It is harmless to rubber and does not foam or clog radiators. Based on OAT (Organic Acid Technology) chemistry. Free from Nitrates and Amines.

APPLICATIONS

Petrogulf Coolwave Coolant protects cooling systems of gasoline and diesel engine against rust in all seasons. It provides ideal cooling, effective protection against corrosion and scale deposit formation in the cooling systems year-round, resulting in longer radiator life.

ADVANTAGES

- High boiling point gives better cooling performance in high temperature condition.
- Excellent anti-foam properties.
- Protects the radiator against rust & corrosion.
- Compatible with ordinary summer coolant.
- Protection against excessive evaporation.
- Provides year-round cooling properties

PERFORMANCE LEVELS

BS 6580 ASTM D3306

Complies with most engine manufacturer's requirements for full fill coolants.

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
	33	50	100
Product Grade	33	50	100
Glycol Content, %	33%	50%	100%
Density @ 20°C, Kg/L	1.050	1.072	1.111
Reserve Alkalinity, ml	1.0	1.0	1.0
pH	8.30	8.42	8.6
Freezing Point, °C	-26	-42	-34
Equilibrium Boiling Point, °C	104	110	140
Foam, break time, sec	<2	<2	<2
Color Visual	Green	Green	Green

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

PRODUCT GRADE	33	50	100
PRODUCT CODE	3242600000	3242700000	3242800000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf COOLWAVE Long Life Coolants are ready to use ethylene glycol-based coolant, using Organic Acid Technology (OAT) corrosion inhibitors, designed to control the temperature in liquid-cooled internal combustion engines, from cold start-up, where the anti-freeze prevents the coolant from freezing to high operating temperatures, where the coolant prevents summer boil over, protecting the engine all year round.

Ethylene glycol-based, nitrite, amine, silicate, borate and phosphate-free product, suitable for use in engines in passenger cars, light trucks, and heavy-duty vehicles used in a variety of industries, including off-road, and heavy-duty applications such as construction, farming, and mining.

APPLICATIONS

Petrogulf COOLWAVE Long Life Coolants works on all engines employing cast iron, aluminum, copper or combination of these metals used in modern engines and heavy duty engines where environmental controls are severe and where OEMs recommend extended life and salt free coolants. It is applicable in mixed fleet as well as marine cooling systems. Auto Cool protects cooling systems of gasoline and diesel engine against rust in all seasons. Especially recommended for CHP engines working under severe working conditions. It provides ideal cooling, effective protection against corrosion and scale deposit formation in the cooling systems year-round, resulting in longer radiator life

KEY FEATURES & BENEFITS

- Protection for at least 650,000 km (8,000) hours for trucks and bus, 250,000 km (6,000hrs) for passenger cars or 32,000 hours (5 years) for stationery engines,
- High boiling point gives better cooling performance in high temperature condition.
- Excellent anti-foam properties. - Protects the radiator against rust & corrosion.
- Compatible with ordinary summer coolant.
- Protection against excessive evaporation.
- Provides year round cooling properties

SPECIFICATIONS AND APPROVALS

Is suitable for use where the following specifications are required:

- ASTM D3306 (III), BSI 6580

This product is premixed and ready for use and should not be diluted further, do not add any more water to this product

TYPICAL CHARACTERISTICS

PETROGULF LL COOLANT	COMPLY		
	33	50	100
Glycol Content, %	33	50	100
Density @ 20°C, Kg/L	33%	50%	100%
Reserve Alkalinity, ml	1.050	1.072	1.111
pH	2.0	2.2	2.2
Freezing Point, °C	8.40	8.62	8.69
Equilibrium Boiling Point, °C	-26	-42	-34
Foam, break time, sec	104 min	110 min	140 min
Color Visual	<2	<2	<2
Colour	Fluorescent GREEN	Fluorescent GREEN	Fluorescent GREEN

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

MEG Concentration level	33%	50%	100%
PRODUCT CODE	3244700000	3243000000	3243100000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.

DESCRIPTION

Petrogulf BRAKE FLUID DOT 3 and DOT 4 are formulated as non-petroleum chemical fluids for use in the hydraulic brake and clutch system of automotive vehicles. They possess high boiling points and low pour points. They do not affect natural or synthetic rubber washers. They offer protection against corrosion and rusting of metal parts.

APPLICATIONS

Petrogulf BRAKE FLUID DOT 3 and DOT 4 are suitable for all hydraulic brake and clutch, disc and drum systems where such type of fluid is specified

KEY FEATURES & BENEFITS

Petrogulf BRAKE FLUID DOT 3 & DOT 4 meets the US specification F.M.V.S.S. No. 116 DOT 3& DOT4, ISO 4925 class 3,4, SAE J1703, SAE J1704 and AS 1960.1 Grade 1 Polyglycol type brake fluid standards. Its superior viscosity behavior over a wide temperature range always ensuring good braking performance. It is inert and compatible to both natural and synthetic rubber used in brake systems (hoses, caps, and seals). Petrogulf Brake Fluid DOT 3& DOT 4 provides outstanding corrosion protection to all metal components in the braking system.

PERFORMANCE LEVELS

- F.M.V.S.S. No.116 DOT 3 & DOT 4
- ISO 4925 Class 3 Class 4
- SAE J1703, SAE J1704

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	
	DOT 3	DOT 4
Kinematic Viscosity @-40 °C mm²/s	1500 max	1800 max
Kinematic Viscosity @100 °C mm²/s	2.0	2.1
Density @ 20°C, Kg/L	1.035	1.05
Equilibrium Boiling Point, °C	235	260
Wet Equilibrium Boiling Point, °C (3.7% Water)	140	160
pH	8.2	8.5
Appearance	Clear	Clear
Color	Yellowish	Yellowish

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

BRAKE FLUID	DOT 3	DOT 4
PRODUCT CODE	33132000000	33133000000

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.



power beyond performance

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