



POWERED BY ITALY, MADE IN UAE.

MAGNIFYING THE POWER



2T ENGINE OIL



CAR ENGINE OIL



HEAVY DUTY ENGINE OIL



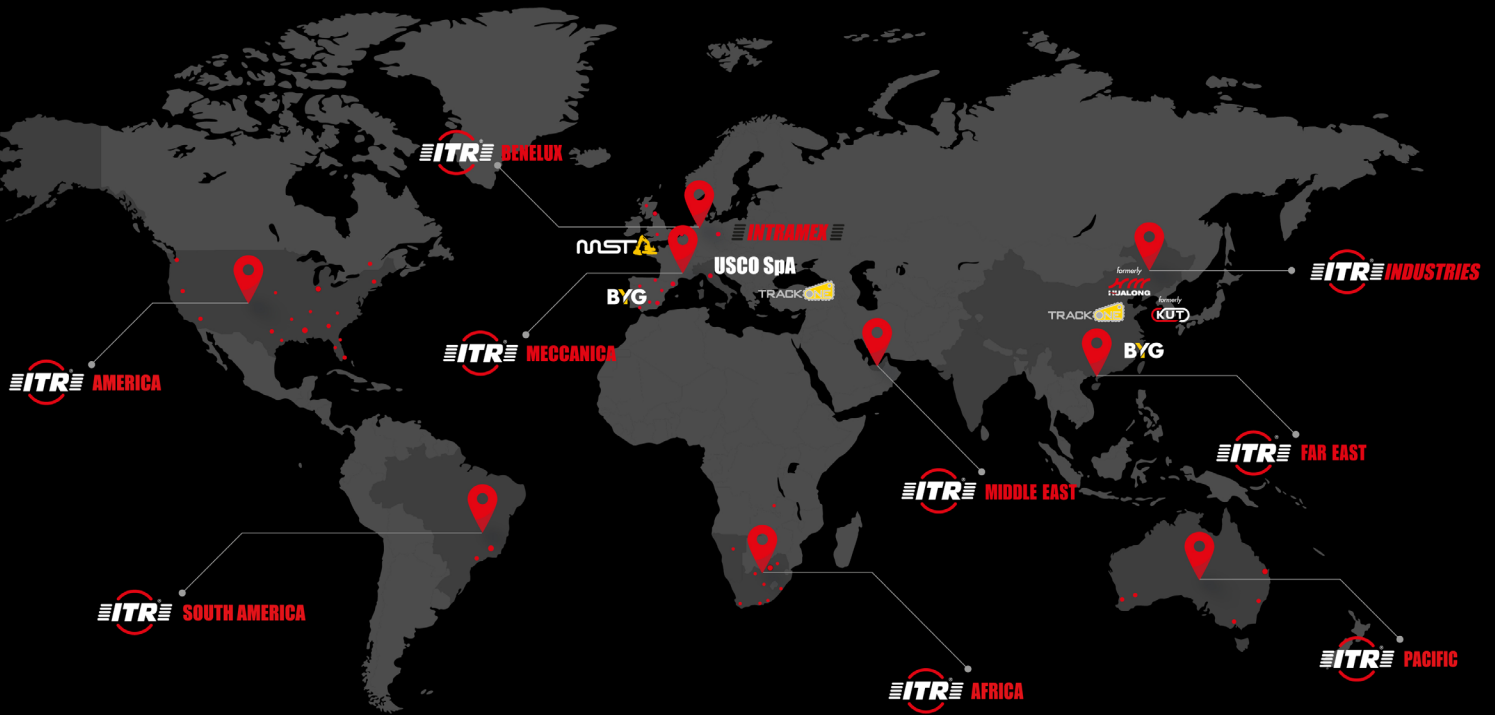
INDUSTRIAL OIL



ATF



SPECIALTY PRODUCTS



THE GROUP

USCO started off in 1989 with trading activities specializing in spare parts for Caterpillar machines. In 1994, it took the first step towards creating what today is one of the vital and successful groups in the sector of spare parts for earth-moving machines.

After taking over ITR, USCO also began manufacturing a variety of repair parts under the brand name, ITR.

The evolution of the company and the ITR brand followed parallel roads. Acquiring new manufacturing and distribution enterprises in some key markets resulted in coherent and continual expansion of the product range. At the same time, USCO focused strongly on the logistic/distribution factors for USCO has in fact centralized undercarriage production to South Korea and China making investments and building structures that allow guaranteeing top quality standards, thus becoming one of the benchmark manufacturers on the market for undercarriage spare parts for earth-moving machines.

ABOUT US

ITR, a premium Italian brand of innovative range of lubricants, is a part of ITR Middle East's business established in 2006 and is also a subsidiary of USCO SpA based in Modena, Italy.

ITR's strategic investment in a fastest-growing lubricant manufacturing company registered in Hamriyah Free Zone, UAE has further strengthened the competitiveness of lubricant business. ITR's Italian production technology and all available resources combined with plant management team's more than 50 years of working experience with both end users and industry partners, has steered a new wave of innovations and solutions in the field of lubricants.

OUR FACILITY

ITR's state-of-the-art manufacturing facility in the UAE has a current capacity of 54,000 MT/ya with an area of 20,800 sqm. ITR Lubricants are made from top quality virgin base oils and the highest grade additives to provide finest and most advanced lubricants. The unit has a fully equipped laboratory which ensures consistent product quality. The factory has been certified to the ISO 9001:2015 quality standards related to manufacturing and packing of lubricant oil and greases.

The entire facility was engineered by ITR with enough provision made for a future expansion of the facility to increase its capacity. The unit also houses a fully equipped R&D wing which ensures consistent product quality.



TWO WHEELER ENGINE OIL

ITR 4T SUPER MOTO



ITR 4T SUPER MOTO is specifically developed for the requirement of current advanced top-tier engine oil grade of API SN motorcycle oil. ITR 4T SUPER MOTO is specially formulated to take into account the unique transmission requirement and is ideal to be used in a compacted, high-speed and high temperature engines, typically found in today's modern four-stroke motorcycles and certainly outperforms other conventional 4T oil. It ensures correct oil viscosity, which reduces friction at start-up and provides maximum lubrication during high temperature operation.

APPLICATION

- Recommended for all types of four-stroke motorcycles of manufacturers including Suzuki, Yamaha, Honda, Kawasaki and Kubota

PERFORMANCE BENEFITS

- Excellent oxidation resistance and low volatility will extend oil drainage interval
- Maximum performance and power, quick starting up
- Results tested on high performance four-stroke engines in extreme conditions
- Robust detergent package protects against all types of deposits to keep engines cleaner, and prevents sludge

PERFORMANCE STANDARDS

- API SN
- JASO MA 2

- Anti-wear properties, lower corrosion and friction. Provide excellent protection for transmissions and wet clutches
- Excellent fuel saving, lengthen the oil changing intervals, economize everything
- Prolonged engine life

TYPICAL CHARACTERISTICS

Tests	SAE 10W-40	SAE 20W-40
Kinematic Viscosity @100 °C (ASTM D 445)	14.0-14.5.0	14.5-15.0
Viscosity Index (ASTM D 2270)	140-150	>110
CCS viscosity (ASTM D 5293)	<7000 cP@-25°C	<9500cP@-15°C
Pour point (ASTM D 97)	<-33	<-21°C
Flashpoint (ASTM D 92 & 93)	>210	>230°C
Total Base number (ASTM D 2896)	8.0-9.0	8.0-9.0

ITR 4T PRESTO



ITR 4T PRESTO is high performance engine oil for four-stroke 2 & 3 wheelers. This oil is blended from high viscosity index base stocks and contains specially formulated additives to meet the stated performance standards. ITR 4T PRESTO oils will allow a much higher load capacity, as well as provide increased protection for critical engine parts such as pistons, cylinders, gears, camshafts and bearings.

APPLICATION

- Recommended for all types of four-stroke motorcycles of manufacturers including HONDA, SUZUKI, YAMAHA, KAWASAKI, etc.

PERFORMANCE STANDARDS

- API SM
- JASO MA 2

PERFORMANCE BENEFITS

- Superior wet clutch protection
- Maximum performance and power, quick starting up
- Protect well heavy loaded parts in very severe conditions of operating high-speed, high temperature, rough roads

- Anti-wear properties, lower corrosion and friction. Provides excellent protection for transmissions and wet clutches
- Excellent fuel saving, lengthen the oil changing intervals, economize everything
- Prolonged engine life

TYPICAL CHARACTERISTICS

Tests	SAE 15W-50
Kinematic Viscosity @100 °C (ASTM D 445)	17-18
Viscosity Index (ASTM D 2270)	>130
CCS viscosity (ASTM D 5293)	MAX 7000 cP at -20*c
Pour point (ASTM D 97)	-27
Flashpoint (ASTM D 92 & 93)	>224
Total Base number (ASTM D 2896)	7.0

ITR 4T TUONO



ITR 4T TUONO formulated to meet JASO MA2, is a premium quality four-stroke engine oil designed and formulated for all kinds of four-stroke motor bikes and exceeds the requirements of most motor cycle manufactures. Blended with specially selected base stocks and advanced additive technology. Recommended for use in all four-stroke motor cycles, scooters & modern three wheelers.

APPLICATION

- Four-stroke motor cycles with integral wet clutch operation
- Air cooled, water cooled four-stroke motorcycle engines
- Particularly suitable for Japanese high-performance four-stroke motor cycles
- Portable small four-stroke gasoline engine generator sets

PERFORMANCE STANDARDS

- API SL
- JASO MA 2

PERFORMANCE BENEFITS

- Provides good friction on clutch disc that prevents slippage and premature wear in wet clutch lubrication system
- Excellent detergent and dispersant additives that ensures high level of cleanliness maintained in all engine parts
- Smoothened power transfer to prevent clutch from grabbing for easy controlled and efficient gear shifting and clutch operation

- Better sludge control in oil
- Reduction in oxidative thickening of oil
- Helps prevent wear in engine
- Provides rust and corrosion protection

TYPICAL CHARACTERISTICS

Tests	SAE 20W-40
Kinematic Viscosity @100 °C (ASTM D 445)	14.5-15.0
Viscosity Index (ASTM D 2270)	115 MIN
CCS viscosity (ASTM D 5293)	<9500cP@-15°C
Pour point (ASTM D 97)	<-21°C
Flashpoint (ASTM D 92 & 93)	>230°C
Total Base number (ASTM D 2896)	7.0-8.0

PETROL ENGINE OIL



ITR PRIMA XL FULLY SYNTHETIC



ITR PRIMA XL FULLY SYNTHETIC top of the line petrol engine oil meeting highest performance long drain premium quality fully synthetic petrol engine oil suitable for modern cars and passenger vehicles. ITR PRIMA XL FSY is blended with synthetic base stocks and synergistic additive system for outstanding detergency, dispersancy characteristics, anti-wear and antioxidant properties, high viscosity index and low temperature flow properties. PRIMA XL FSY, SAE 0W-XX synthetic technology provides strong protection for modern FSI, TDI and turbocharged engines.

APPLICATION

- All today's smaller six cylinder and four cylinder engines fitted new passenger cars and turbocharged engines
- Naturally aspirated and turbocharged petrol and diesel engines in passenger cars and light trucks
- Low emission passenger car and light duty vehicle engines fitted with latest catalytic converter (petrol) or diesel particulate filter technology

PERFORMANCE BENEFITS

- Contains no wax, staying fluid in the coldest winter temperatures for easier starting, improved oil flow and reduced bearing wear
- Its unique synthetic formulation and long-drain additive system are inherently stable to resist oxidation and neutralize acids over longer periods

PERFORMANCE STANDARDS

MEETS OR EXCEEDS

- API SN/CF • ACEA A3/B4-12
- MB 229.3 • BMW LL-04
- VW 502.00, VW 505.00 for SAE 0W-40
- VW 501.01, VW 505.00 for SAE 0W-60
- Renault RN 0700/0710
- Porsche A40

- It is heavily fortified with detergent and dispersant additives to help prevent sludge deposits and keep engines clean

TYPICAL CHARACTERISTICS

TESTS	SAE 0W-40	SAE 0W-60
Viscosity @ 40 °C	80-90	140-160
Viscosity @100 °C	13.5-14.5	22.5-23.5
Viscosity Index	>160	>160
CCS Viscosity @ -35 °C	<6200 cP at -35 deg.c	<6200 cP at -35 deg.c
Pour point	-45	-45
Flashpoint	>210	>210
Total Base Number	8	8

ITR PRIMA XL SYNTHETIC



ITR PRIMA XL Synthetic, top of the line petrol engine oil meeting highest performance long drain premium quality petrol engine oil suitable for modern cars and passenger vehicles. ITR PRIMA XL 5W-40 is blended with highly refined base stocks and synergistic additive system for outstanding detergency, dispersancy characteristics, anti-wear and antioxidant properties, high viscosity index and low temperature flow properties, ITR PRIMA XL technology provides strong protection for modern FSI, TDI and turbocharged engines.

APPLICATION

- All today's smaller six cylinder and four cylinder engines fitted new passenger cars and turbocharged engines
- Naturally aspirated and turbocharged petrol and diesel engines in passenger cars and light trucks
- Low emission passenger car and light duty vehicle engines fitted with latest catalytic converter (petrol) or diesel particulate filter technology

PERFORMANCE STANDARDS

- MEETS OR EXCEEDS
- API SN • ACEA A3/B4
- MB-229.3 • BMW LL-04
- VW 502.00, VW505.00
- Renault RN 0700/710
- Porsche A40

PERFORMANCE BENEFITS

- Contains no wax, staying fluid in the coldest winter temperatures for easier starting, improved oil flow and reduced bearing wear
- Its unique synthetic formulation and long-drain additive system are inherently stable to resist oxidation and neutralize acids over longer periods

- It is heavily fortified with detergent and dispersant additives to help prevent sludge deposits and keep engines clean

TYPICAL CHARACTERISTICS

TESTS	SAE 5W-40
Viscosity @ 40 °C	80-90
Viscosity @100 °C	13.5-14.0
Viscosity Index	>160
CCS Viscosity	<6600 cP at -30 deg.c
Pour point	-39
Flashpoint	>200
Total Base Number	10.0 MIN

ITR PRIMA XP



ITR PRIMA XP 5W, 10W-XX is blended with highly refined base stocks and selective additive system for outstanding detergency, dispersancy characteristics, anti-wear and antioxidant properties, high viscosity index and low temperature flow properties. ITR PRIMA XP, Advanced premium quality petrol engine oil is recommend for modern petrol engine passenger car and vehicles and developed to provide improved oxidation resistance, improved deposit protection, better wear protection and better low -temperature performance over the life of the oil. PRIMA XP technology provides strong protection for modern FSI, TDI and turbocharged engines.

APPLICATION

- All new passenger cars and light commercial vehicles
- High performance cars with normally aspirated and turbocharged gasoline engines
- Latest model Japanese, American, European cars

PERFORMANCE STANDARDS

- API SM/CF, ILSAC GF-4

PERFORMANCE BENEFITS

- Superior deposit control
- Superior viscosity retention
- Superior engine cleanliness owing to its specially chosen detergent & additive chemistry

- Recommended for high-performance gasoline engines
- Can handle most severe driving conditions
- Based on cutting edge technology with a tailor made additive system

TYPICAL CHARACTERISTICS

TESTS	SAE 5W-30.	SAE 5W-40.	SAE 10W-40.
Viscosity @ 40 °C	60-70	80-90	95-105
Viscosity @100 °C	11.0-12.0	14-14.5	14-14.5
Viscosity Index	>150	>160	>150
CCS Viscosity	<6600 cP at -30 deg.c	<6600 cP at -30 deg.c	<7000 cP at -25 deg.c
Pour point	-39	-39	-33
Flashpoint	>200	>200	>200
Total Base Number	7.0 MIN	7.0 MIN	7.0 MIN

HEAVY-DUTY ENGINE OIL

ITR GRANDE



ITR GRANDE heavy duty synthetic blend diesel engine oil is formulated for use in high-speed four-stroke diesel engines designed to meet 2017 model on-highway and tier 4 non-road exhaust emission standards as well as for previous model diesel engines. This oil is formulated to be used in all applications with diesel fuels ranging in sulfur content up to 500 ppm. Synthetic blend diesel engine oil is designed to provide enhanced protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low and high temperature properties, and soot-related viscosity increase.

APPLICATION

Diesel engine oil meets API Service Classification CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4/ SN, Cummins® CES 20086, Detroit™ DFS 93K222, Mack® EOS-4.5, Volvo® VDS-4.5 and Renault® RLD-4. It also meets or exceeds requirements for Caterpillar® ECF-3, ECF-2, Cummins® CES 20081, Daimler MB228.31, Detroit™ DFS 93K218, MackR EO-D Premium Plus, EO-N, MAN M3575, MTU Category 2.1, Renault® RLD-3, and Volvo® VDS-4, VDS-3 and ACEA E9 and ACEA E7

PERFORMANCE BENEFITS

- Protects emission control systems
- Outstanding oxidation stability
- Synthetic Blend formulation
- Universal product for mixed fleet operations
- Excellent low temperature properties helps speed cold starts

TYPICAL CHARACTERISTICS

TESTS	SAE 15W-40
Colour (ASTM D 1500)	ASTM 3.5 Max
Kinematic Viscosity @ 40 °C (ASTM D 445)	105-115
Kinematic Viscosity @100 °C (ASTM D 445)	14.5-15.0
Viscosity Index (ASTM D 2270)	>130
Pour point (ASTM D 97)	< -30 °C Min
Flashpoint (ASTM D 92 & 93)	>210 Deg.C
Total Base number (ASTM D 2896)	11.0-12.0
Sulfated ASH% (ASTM D 874)	<1.0

ITR SUPREMO XT



ITR SUPREMO XT top line diesel engine oil recommended for high-speed, four-stroke engines designed to meet 2007 model year and later, on-highway exhaust emission standard. ITR SUPREMO XT exceeds, the unique service requirements of diesel engines equipped with new generation low emission systems, such as diesel particulate filters (DPF), exhaust gas recirculation (EGR) and diesel oxidation catalysts (DOC). Optimum protection is provided for control of catalyst poisoning, engine wear, piston deposits, low-and high-temperature stability, soot handling properties & oxidative thickening. ITR SUPREMO XT, is blended from a unique combination of the finest quality severely hydro treated base fluids and low ash detergent additives.

APPLICATION

- Mixed fleets of European, North American and/or Japanese diesel engines
- Commercial road transport, stop-and-go vehicles in high soot loading service such as buses, trucks
- Mixed fleets of both diesel and gasoline engines, both old and new equipment
- Vehicles meeting the most recent exhaust emissions standards incl. Euro IV, V and VI
- Off-highway construction, earth-moving and mining equipment

PERFORMANCE BENEFITS

- Extended drain intervals
- Reduces risk of sludge, improving the engine's performance
- Formulated with latest generation "low-saps" (sulfated ash, phosphorus & sulfur) technology, maximizes the life of sensitive catalyst metals and the cleaning intervals of DPFs

PERFORMANCE STANDARDS

- API CI-4/SM
- ACEA E7 2004
- E9-08
- Volvo VDS-4
- MTU Type I & II
- Renault RLD-3
- Caterpillar ECF-3
- CI - 4 Plus
- Mack EO-0 Premium Plus
- MB 228.31
- MAN 3275-1
- Cummins 20081
- ECF-2

- Special viscosity controlling technology ensures that the oil continues to protect against wear throughout oil drain interval, even under severe operating conditions
- Better cold temperature start-up & pumpability

TYPICAL CHARACTERISTICS

TESTS	SAE 15W-40
Colour (ASTM D 1500)	ASTM 3.5 Max
Kinematic Viscosity @ 40 °C (ASTM D 445)	105-115
Kinematic Viscosity @100 °C (ASTM D 445)	14.5-14.8
Viscosity Index (ASTM D 2270)	MIN 140
CCS viscosity	<7000CP@-20 °C
Total Base number (ASTM D 2896)	11.0-12.0
Flashpoint (ASTM D 92 & 93)	>210
Pour point (ASTM D 97)	<-30

ITR SUPREMO XN



It is a premium quality diesel engine oil is designed for use in on-highway diesel trucks and off-highway diesel equipment, passenger cars, truck with either diesel or gasoline engines. Unique combination of selected additives and base oils provides extended service live, superior soot dispersancy, engine cleanliness and reduced oil consumption through burnin and enhanced resistance to corrosion. Developed in accordance with EURO 3 emission standard this range of oils substitutes API CG-4, CF-4 oils.

APPLICATION

- They are recommended for wide range of modern European, U.S. and Japanese diesel engines both naturally aspirated and turbocharged operated in all driving conditions
- Both on and off-road, as well for turbocharged gasoline and diesel engines of passenger cars and commercial vehicles

PERFORMANCE BENEFITS

- Enhanced protection against wear, due to its ability to maintain lubricating oil film at all operating temperatures
- Shields engine components against rust and corrosion
- It assures outstanding protection against high temperature engine deposits, oil degradation, oil thickening and corrosion resistance

PERFORMANCE STANDARDS

- API CH-4/SL
- MB-228.3 ~
- Mack EOM-plus
- MAN 3275
- Caterpillar ECF-1a
- ACEA E7-04
- MTU Type 2
- Cummins CES 20076/77
- Volvo VDS-2

- The oil is having excellent shear stability to maintain viscosity under severe, high temperature operations
- Excellent thermal- and oxidation stability
- Very good dispersancy and detergency
- High anti-foam, anti-wear and anti-corrosion properties

TYPICAL CHARACTERISTICS

TYPICAL PROPERTIES	SAE 15W-40
Kinematic Viscosity @ 40°C,cSt (STM D-445)	100-110
Kinematic Viscosity @ 100°C,cSt (ASTM D-445)	14.5-15.2
Viscosity Index (ASTM D-2270)	MIN 140
CCS Viscosity	<7000CP@-20°C
TBN ,mgKOH/g, MIN(ASTM D-2896)	10.5-11.0
Sulfated Ash, % by Mass(ASTM D-874)	<1.2
Flash Point, °C (ASTM D-92)	210
Pour Point, °C (ASTM D-97)	-27



API CERTIFICATION

ITR, SAE 15W-40 meets the Engine Oil Licensing and Certification requirements set forth by the American Petroleum Institute (API). Engine oils that bear the API symbol are authorized by the API.

ITR SUPREMO XL PLUS



Premium performance, multigrade, four-stroke heavy-duty diesel engine oil specifically designed to lubricate a wide range of European, US and Japanese diesel and gasoline engines requiring API CI-4 PLUS, CI-4, SL, ACEA E7 performance lubricants. The high quality base oils and special additive system used in this premium quality heavy duty diesel engine oil designed for long drain period. ITR SUPREMO XL PLUS is formulated to provide a higher level of protection against soot-related viscosity increase and viscosity loss due to shear in vehicles powered by diesel engines. These oils are especially effective at sustaining engine durability where Exhaust Gas Recirculation (EGR) and other exhaust emission componentry may be used.

APPLICATION

- Commercial road transport, including the latest electronic controlled engines and those designed to meet Euro 3 emissions standards
- Recommended for use in Cummins, Caterpillar, MAN, Komatsu, Volvo, Hino, Deutz, Tata Motors, Toyota, Ashok Leyland, Mahindra, Force Motors, Eicher Motors and other turbocharged high performance diesel engines
- Off-highway construction, earth moving and mining equipment, agricultural tractors and farm machinery, generator sets

PERFORMANCE BENEFITS

- Exceptional anti-wear and anticorrosion properties for enhanced engine protection
- Outstanding soot handling and oxidation control for longer engine life and oil life
- Excellent viscosity stability in operation for high engine efficiency and minimal top-up Protects against wear
- Excellent all weather performance
- Offers long drain period More than 50,000 KM under ideal conditions

PERFORMANCE STANDARDS

- API: CI-4 PLUS
- ACEA E5/E7-04
- MB- 228.3
- RENAULT TRUCKS RLD-2
- MACK EO-N CUMMINS 20076,77,78
- Caterpillar ECF-2
- API CI-4, CH-4, SL
- MAN 3275-1
- VOLVO VDS-3

- Excellent soot control for protection against abrasive wear and soot-induced oil
- Thickening
- Increase oil drain interval with excellent control of low temperature sludge build-up and high temperature deposits formation

TYPICAL CHARACTERISTICS

TYPICAL PROPERTIES	SAE 15W-40
CCS Viscosity	<7000CP@-20°C
Kinematic Viscosity @ 40°C,cSt (ASTM D-445)	100-110
Kinematic Viscosity @ 100°C,cSt(ASTM D-445)	14.8-15.2
Viscosity Index (ASTM D-2270)	>140
Flash Point, °C (ASTM D-92)	215
Pour Point, °C (ASTM D-97)	-33
TBN , mgKOH/g, MIN(ASTM D-2896)	12.0
Sulfated Ash, % by Mass (ASTM D-874)	<1.27

ITR SUPREMO XL



Premium quality heavy duty diesel engine oil is designed for long drain period. New generation diesel engines of heavy commercial, multi-utility as well as passenger cars requiring highest quality engine oil. These oils are especially effective at sustaining engine durability where Exhaust Gas Recirculation (EGR) and other exhaust emission componentry may be used. Optimum protection is provided for control of corrosive wear tendencies, low and high temperature stability, soot handling properties, piston deposit control, valve train wear, oxidative thickening, foaming and viscosity loss due to shear.

APPLICATION

- On-highway diesel trucks equipped with cooled-EGR, ACERT or other technologies to meet 2004 and earlier exhaust emission standards
- Older diesel equipment with conventional, non-EGR engines
- Mixed fleets with both diesel and gasoline-fueled vehicles
- Off-highway construction, earth-moving and mining equipment

PERFORMANCE BENEFITS

- High engine cleanliness
- Longer life for Cylinder Liner, Piston Ring, Valves, Camshaft
- Protects against sludge and varnish formation
- Protects against wear
- Excellent all weather performance
- Offers long drain period up to 45,000 KM under ideal conditions.

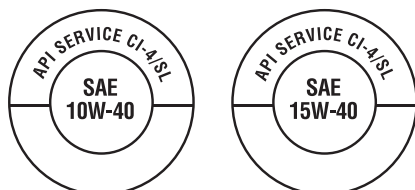
PERFORMANCE STANDARDS

- API CI-4/SL
- MAN 3275-1
- VOLVO VDS-3
- MACK EO-N PP 03
- Caterpillar ECF-2
- ACEA E5/E7-04
- MB 228.3
- RENAULT TRUCKS RLD-2
- CUMMINS 20078

- Excellent soot control for protection against abrasive wear and soot-induced oil
- Thickening
- Resists viscosity and thermal breakdown at high temperatures
- Protects against rust and bearing corrosion

TYPICAL CHARACTERISTICS

TYPICAL PROPERTIES	SAE 10W-40	SAE 15W-40
Kinematic Viscosity @ 40°C,cSt (ASTM D-445)	100-110	100-110
Kinematic Viscosity @ 100°C,cSt(ASTM D-445)	14.0-14.8	14.5-15.0
Viscosity Index (ASTM D-2270)	MIN 140	MIN 140
CCS Viscosity	<7000CP@-25°C	<7000CP@-20°C
TBN ,mgKOH/g, MIN(ASTM D-2896)	11.0-12.0	11.0-12.0
Sulfated Ash, % by Mass (ASTM D-874)	<1.4	<1.4
Flash Point, °C (ASTM D-92)	210	210
Pour Point, °C (ASTM D-97)	-34	-27



API CERTIFICATION
ITR, SAE 10W-40, SAE 15W-40 meets the Engine Oil Licensing and Certification requirements set forth by the American Petroleum Institute (API). Engine oils that bear the API symbol are authorized by the API.

AUTOMATIC TRANSMISSION FLUID

ITR ATF DEX VI

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ITR ATF DEX VI is a latest generation technology approved by the use of stringent requirements of GM's DEXRON-VI specification and provides a high performance, synthetic blend formulation will help ensure consistent and smooth shift performance even under extreme driving conditions. ITR ATF DEXRON VI is of a slightly lower viscosity is intended to gain improvements in fuel economy by lessening parasitic drag in the transmission. ITR ATF DEXO VI also satisfies requirements of DEXRON®, DEXRON®-III H, III, IIE and II.

APPLICATION

- Cars and light truck ,heavy duty truck automatic transmissions. Mobil DEXRON-VI ATF provides warranty protection for 2006 and newer GM vehicles

PERFORMANCE STANDARDS

- Dexron VI
- Mercon LV

PERFORMANCE BENEFITS

- High mileage automatic transmission fluid is for use of most transmissions with over 75,000 miles
- Optimized frictional properties that provide smooth gear shifting during low temperature operation and help prevent transmission vibration
- Outstanding resistance against sludge and deposit formation
- Improved anti-wear protection which contributes to extended transmission life
- Outstanding low temperature performance

TYPICAL CHARACTERISTICS

TESTS	DEXO VI
Viscosity @ 40 °C	30
Viscosity @100 °C	5.6-6.4
Viscosity Index	170 min
Brookefield Dynamic Viscosity @ - 40 °C	<15 000 cP Max
Pour point	-45
Flashpoint	210

ITR ATF DEX III

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ITR ATF DEX III, Automatic transmission and power steering fluid is designed for the lubrication of torque converters, transmission gear and hydraulic systems used in passenger cars, light trucks and heavy vehicles. It performs high standard to meet the wide range of lubrication requirements found in transmission systems.

APPLICATION

- Cars and light truck ,heavy duty truck automatic transmissions.
- Power steering where ATF Dextron III Macron fluid is recommended.

PERFORMANCE STANDARDS

- Dexron III H
- Mercon
- MB 236.1

PERFORMANCE BENEFITS

- Excellent coefficient of friction profile after extended clutch testing, insuring optimal performance on the road
- Enhanced wear protection, with demonstrated performance in transmission gear pumps such as Vickers and under high loads with FZG stage 11 pass certification
- Meet the performance requirements of Pre-2006 General Motors, Ford and Allison transmissions (except Ford Type F)
- Excellent low temperature fluidity, anti-wear and frictional properties of these fluids allow it to satisfy the needs of certain hydraulic requirements

TYPICAL CHARACTERISTICS

TESTS	DEXO III H
Viscosity @ 40 °C	40
Viscosity @100 °C	7.0-7.5
Viscosity Index	130 min
Brookefield Dynamic Viscosity	20 000 cP Max
Pour point	-42
Flashpoint	210

GEAR OILS

ITR GEAR HP4



PERFORMANCE SPECIFICATION

- API Service GL 4
- IS: 1118-1957 (Reaffirmed 1993)
- UK Defence CS 3000A
- US military MIL-L-2105

ITR Gear GL4 oil is recommended for conventional (manual) transmissions, differentials, final drives and other gear cases of trucks, buses, cars, farm tractors and earth moving equipment where extreme pressure, hypoid or multi-purpose gear oils of GL-4 performance level are required. These oils are blended from selected base stocks and contain special additives to provide extreme pressure, anti-rust corrosion characteristics.

APPLICATION

- Manual synchromesh transmissions for cars, trucks and buses
- Spiral bevel final drive axles in certain makes of vehicles
- Automotive Steering boxes
- Tractor and off-road heavy equipment, transaxles and differentials

PERFORMANCE BENEFITS

- Satisfy the lubrication requirements of a wide variety of gears
- Provide protection against wear, due to good EP characteristics
- Give long service life even under high temperature operation since it has excellent oxidation stability
- Provide good protection against rust, wear & corrosion

TYPICAL CHARACTERISTICS

TESTS	SPECIFICATION OF ITR				
	SAE 75W-90	SAE 80W-90	SAE 90	SAE 85W-140	SAE 140
Viscosity @ 40 °C	110-120	130-150	150-170	280-300	340-360
Viscosity @100 °C	15-16	15-16	18-18.5	25-27	32-32.5
Viscosity Index	> 145	>125	>110	>125	>110
Low Temperature Viscosity by Brookfield viscometer	< 1,50,000 cP at -40 deg.c	< 1,50,000 cP at -26 deg.c	NA	< 1,50,000 cP at -12deg.c	NA
Pour point	-42	-30	-18	-24	-18
Flashpoint	>220	>220	>240	>230	>230

ITR GEAR HP5



PERFORMANCE STANDARDS

- API GL-5
- US MIL-L- 2105D
- UK DEFENCE CS 3000B
- IS:1118(1992)

ITR Gear HP5 oils are extreme pressure gear oils, specially formulated to meet extreme pressure (EP) chemical technology meeting the rigorous service demand of commercial fleet mechanical transmissions, axles and gear boxes. ITR Gear HP-5 designed to minimize suffing and scoring of gear surfaces under high speed, extremely high torque and shock load operation. ITR Gear HP5 recommended for conventional (manual) transmissions, differentials, final drives and other gear cases of trucks, buses, cars, farm tractors and earth moving equipment where extreme pressure, hypoid or multi-purpose gear oils of API GL-5 performance level are required.

APPLICATION

- Suitable for heavy duty service in hypoid and spiral bevel differentials
- Limited slip differentials, light trucks under extreme operating conditions
- Manual gear boxes, auxiliary gear boxes and transfer boxes, steering boxes

PERFORMANCE BENEFITS

- Have exceptional chemical and thermal stability permitting use up to bulk oil temperature of 150 C
- Have excellent extreme pressure property to give maximum protection against low speed-high torque wear and high speed-shock induced scoring
- Guard automotive gear assemblies against rust and corrosion

TYPICAL CHARACTERISTICS

TESTS	SPECIFICATION OF ITR				
	SAE 75W-90	SAE 80W-90	SAE 90	SAE 85W-140	SAE 140
Viscosity @ 40 °C	110-120	130-150	150-170	280-300	340-360
Viscosity @100 °C	15-16	15-16	18-18.5	25-27	32-32.5
Viscosity Index	> 145	>125	>110	>125	>110
Low Temperature Viscosity by Brookfield viscometer	< 1,50,000 cP at -40 deg.c	< 1,50,000 cP at -26 deg.c	NA	< 1,50,000 cP at -12deg.c	NA
Pour point	-42	-30	-18	-24	-18
Flashpoint	>220	>220	>240	>230	>230

ITR ANTIWEAR HYDRAULIC



ITR HYDRAULIC AW oils blended from highly refined base stocks and carefully selected additives to get the possible lubrication characteristics. These oils are recommended for circulation systems requiring oils with good load bearing capacity in applications where anti-wear properties are beneficial. These oils excellent protection against wear in wide range of pumps and in all the active hydraulic components.

APPLICATION

- These grades are also recommended for use in compressors, machine tools, hydraulic and circulation systems and enclosed gearboxes, which do not require EP type lubricants

PERFORMANCE BENEFITS

- Give long service life even under high temperature operation, since it has excellent oxidation stability
- Excellent wear properties

PERFORMANCE STANDARDS

- IPSS 1-09-022
- Vickers v-104c vane pump test
- meets the requirements of German hydraulic fluid standard DIN 51524 parts2
- Maintain a thin film of oil under light and heavy loads
- Provide protection against corrosion and rust

TYPICAL CHARACTERISTICS

TESTS	SPECIFICATION OF ITR				
	AW 32	AW 46	AW 68	AW 100	AW 150
Viscosity @ 40 °C	32-34	44-48	65-70	95-105	145-155
Viscosity @100 °C	5.5-6.0	6.8-7.3	8.5-9.0	11-11.5	15-17
Viscosity Index	MIN 95	MIN 95	MIN 95	MIN 90	MIN 110
Pour point	-32	-24	-21	-21	-18
Flashpoint	210 DEG.C	215 DEG.C	225 DEG.C	240 DEG.C	240 DEG.C

ITR PREMIO HLP HYDRAULIC



ITR HLP oils blended with highly refined base oils and selected additives of anti-wear, anti-rust, anti-oxidation, anti-foam characteristics to meet the stated performance standards. ITR HLP oils are stabilized high VI, anti-wear properties with carefully controlled flow properties at low and high operating temperatures in hydraulic systems of all designs. Available in ISO grades 32, 46, 68, 100, 150, 220, 320, and 460.

APPLICATION

- ITR HLP recommended for high performance electro-hydraulic or numerically controlled systems & use in hydraulic systems, compressors, pumps, circulation oiling systems & extensively used as screw compressor

PERFORMANCE BENEFITS

- These oils provide good film strength, anti-wear properties to minimize wear in pumps, rings, valves, pistons
- Thermal and oxidation stability and excellent filterability, essentially required for the equipments working in humid environment

PERFORMANCE STANDARDS

- DIN 51524 PART 2 & 3 • DENISON HF-0 • US STEEL 127
- Cincinatti Milacron P - 68, P - 69, P -70
- Vickers M-2950-S • IS : 11656-1986 (Reaffirmed 1991)
- IS :10522-1983(Reaffirmed 1993)

- Outstanding load carrying properties
- Superior demulsibility and foam resistance
- Thin oil film inhibition provides rust protection to parts not always oil immersed

TYPICAL CHARACTERISTICS

TESTS	ISO VG32	ISO VG46	ISO VG68	ISO VG100	ISO VG150	ISO VG220	ISO VG320	ISO VG460
Appearance (visual test)	Clear, Bright	Clear, Bright	Clear, Bright	Clear, Bright	Clear, Bright	Clear, Bright	Clear, Bright	Clear, Bright
Color , ASTM D-1500	2.0	2.0	L2.5	L2.5	2.5	3.0	3.0	3.0
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	29-35	42-50	63-73	95-105	145-160	210-235	310-330	440-480
Viscosity Index (ASTM D-2270)	>100	>100	>100	>100	>110	> 120	> 120	> 120
Flash Point, °C (ASTM D-92)	200	210	220	240	240	240	240	240
Pour Point, °C (ASTM D-97)	-27	-27	-24	-21	-18	-15	-15	-15



SPECIALITY PRODUCTS



ITR SUPER TRACTOR OIL UNIVERSAL



PERFORMANCE STANDARDS

- API CG-4/SF
- ACEA E2
- API GL-4
- CATERPILLAR TO2
- ALISION C-4

ITR Super Tractor Oil Universal (STOU). It is carefully engineered with selected base stocks and performance additives to meet the diverse performance requirements of engine, wet brakes, power take off clutch, hydraulic system, transmission and final drive of modern new generation farm tractors. High performance multigrade oil designed for year-round multipurpose lubrication of the different systems in agricultural tractors and harvesters.

APPLICATION

- The parts of the tractor lubricated by STOU type of fluids are Engine, Transmission, Final Drive, Wet Brakes, Power Take Off (PTO) and Hydraulics
- These oils can also be used for lubrication of off-highway machinery, industrial tractors and related equipment

PERFORMANCE BENEFITS

- Excellent all weather performance
- Extends oil and equipment life
- Outstanding wear control, ensuring long life for the engine, transmission systems and hydraulic circuit components
- Anticorrosion properties to protect the non-ferrous metals in the engine and other systems
- Special frictional characteristics, ensuring progressive, efficient and silent operation of braking and clutch systems

TYPICAL CHARACTERISTICS

TYPICAL PROPERTIES	SAE 15W-40	SAE 10W-30
Viscosity @ 40 °C	100-110	70-80
Viscosity @100 °C	14.5-15.0	11.0-12.0
Viscosity Index	MIN 145	MIN 140
Total Base number	11.0-12.0	11.0-12.0
CCS viscosity	< 7000 cP At -20 deg.c	< 7000 cP At -25 deg.c

ITR POWER TRANS OIL



PERFORMANCE STANDARDS

- API CF
- Caterpillar TO-4
- Alison C-4
- Komatsu Micro-Clutch

ITR POWER TRANS OIL for the lubrication of transmissions, clutches, brakes, final drive gears, torque converters, hydraulic systems. ITR POWER TRANS hydraulic transmission oil formulated for Caterpillar and other construction machinery OEMs requiring a TO-4 fluid. These oils have proven friction control results in less clutch slippage and elimination of brake noise, superior wear and oxidation protection in power transmissions and hydraulic systems.

APPLICATION

- Large construction equipment such as found in mining/off-road operation
- It is recommended for use in earth-moving equipments fitted with Caterpillar transmission
- All types of trucks, bulldozers, civil engineering and farming machines, mechanical transmissions and power shift when Caterpillar TO-4 specification is recommended

PERFORMANCE BENEFITS

- Anti-foam protection and excellent sludge and deposit control ensures clear lubrication channels resulting in a longer, trouble-free transmission life
- High detergency and dispersive properties.
- Anti-oxidation, anti-corrosion, anti-rust, anti-foam
- Ensures long life and excellent performance for gears, bearings and friction disc material

TYPICAL CHARACTERISTICS

TYPICAL PROPERTIES	SPECIFICATION OF ITR	
	SAE 30	SAE 10W
Viscosity @ 40 °C	100-110	30-40
Viscosity @100 °C	11.5-12.5	6.0-7.0
Viscosity Index	MIN 100	110 min
Pour point	-18	-30
Flashpoint	>230	210

ITR BRAKE FLUID DOT-3



ITR BRAKE FLUID DOT-3 is a heavy duty, high boiling point, synthetic brake and hydraulic clutch–release fluid. It is suitable for all conventional drum and disc brake system under arduous conditions.

PERFORMANCE STANDARDS

- Exceeds Federal Motor Vehicle Safety Standard n°116 DOT 3
- SAE J 1703, NF R 12-640 , ISO 4925, ITR Brake fluid DOT-3 meets the requirements of European manufacturers

PERFORMANCE BENIFITS

- Low vapor pressure and High Boiling Point guard
- Fluidity at low temperatures and excellent thermal stability
- Excellent chemical stability and corrosion resistance
- Compatible with all system seals

TYPICAL PROPERTIES

TESTS	SPECIFICATION OF ITR
Equilibrium Reflex Boiling Point (ERBP)°C	238
WET ERBP °C	148
Kinematic Viscosity mm Sq. Per second @ 40°C	1300
Kinematic Viscosity mm Sq. Per second @ 100°C	2.4
PH Value(50% vol aqueous ethanol solution	9.0

ITR BRAKE FLUID DOT-4



ITR BRAKE FLUID DOT-4 is a heavy duty, high boiling point, synthetic brake and hydraulic clutch–release fluid. It is suitable for all conventional drum and disc brake system under arduous conditions.

PERFORMANCE STANDARDS

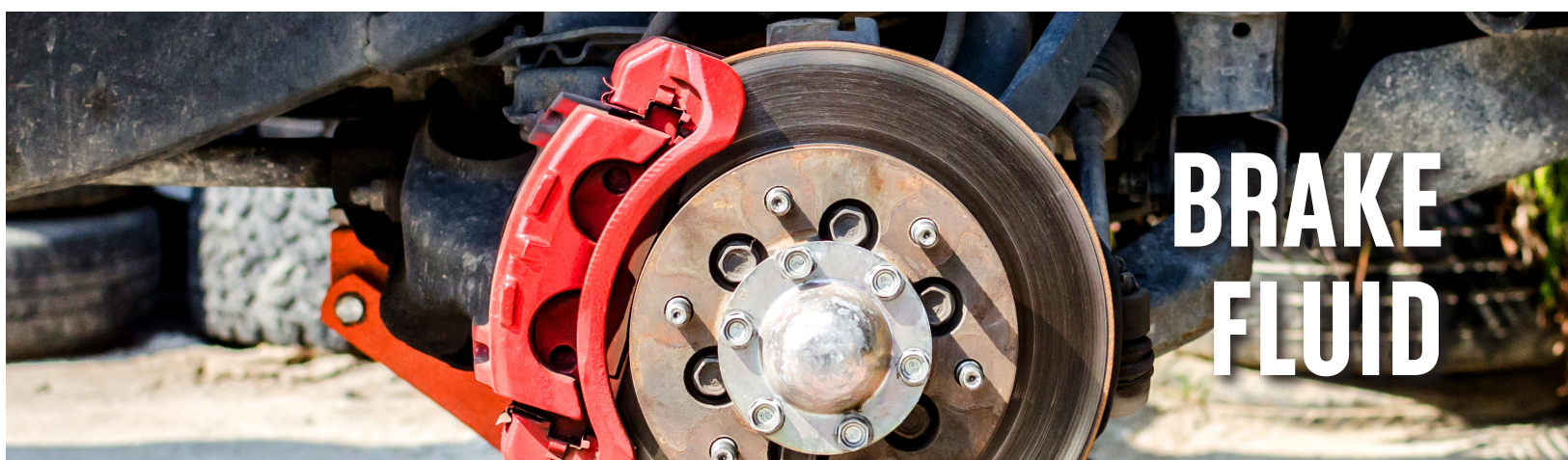
- Exceeds Federal Motor Vehicle Safety Standard n°116 DOT 4
- SAE J 1704, NF R 12-640 , ISO 4925, ITR Brake fluid DOT-4 meets the requirements of European Manufacturers

PERFORMANCE BENIFITS

- Low vapor pressure and high boiling point guard.
- Fluidity at low temperatures and excellent thermal stability
- Excellent chemical stability and corrosion resistance.
- Compatible with all system seals

TYPICAL PROPERTIES

TESTS	SPECIFICATION OF ITR
Equilibrium Reflex Boiling Point (ERBP)°C	270
WET ERBP °C	170
Kinematic Viscosity mm Sq. Per second @ 40°C	1250
Kinematic Viscosity mm Sq. Per second @ 100°C	2.1
PH Value(50% vol aqueous ethanol solution	7.8





GREASES

ITR CALCIUM GREASE (MP-2 & MP-3)



ITR CALCIUM GREASE (MP-2 & MP-3) is a quality, smooth, calcium soap based grease and fortified with the best known natural solid lubricant, graphite. Manufactured to NLGI 3, 2 consistency, the grease provides the best combination of performance and economy for most applications. Calcium grease are resistant to water and have good mechanical stability. The use of this grease will minimize wear through the use of the solid lubricant and provide extended lubricant coverage due to even distribution of the product along the wearing parts.

APPLICATION

- Recommended for flexible couplings in various industrial applications where incidental water contact is high

PERFORMANCE BENEFITS

- Possesses excellent shear stability under heavy duty service
- Excellent water tolerance and is adaptable to normal grease dispensing systems including centralised lubrication systems

PERFORMANCE STANDARDS

- The grease conforms to IS:508 (1987). NLGI-3, NLGI-2
- Protection against rust and corrosion

TYPICAL CHARACTERISTICS

PROPERTIES	NO. 2	NO.3
Type of Soap	calcium	calcium
Colour	yellow	yellow
Work Penetration at 25°C	265 - 295	220 - 250
Drop Point °C, Min.	90-100	90-100

ITR LITHIUM GREASE (EP-2 & EP-3)



ITR LITHIUM EP GREASE is premium quality lithium based automotive grease manufactured from superior quality base stocks and specially selected additives.

APPLICATION

- ITR MULTIPURPOSE LITHIUM EP an Ideal product for lubrication of Chassis of all types of automotive vehicles, passenger and commercial, tractors and other heavy duty equipment.

PERFORMANCE BENIFITS

- Excellent thermal and oxidation stability
- This grease also provides protection against rust and corrosion

PERFORMANCE STANDARDS

- Meet IS: 506 -1993, IS : 7623, NLGI NO. 2, 3

- Having moderately high drop points, resistance to oxidation, good thermal and structural stability

TYPICAL CHARACTERISTICS

PROPERTIES	NO. 2	NO.3
Type of Soap	Lithium	Lithium
Colour	Yellowish Brown	Yellowish Brown
Work Penetration at 25°C	265 - 295	220 - 250
Drop Point °C, Min.	180	190

ITR LITHIUM GREASE (MP-2 & MP-3)



ITR LITHIUM NO. 2 & 3 are premium quality lithium complex soap based multipurpose greases manufactured from superior quality base stocks with specially selected additives.

APPLICATION

- LITHIUM MULTIPURPOSE GREASE NO. 2 & 3 are suitable for all types of industrial applications in steel plants, mining, cement and different engineering industries as excellent multipurpose greases.

PERFORMANCE BENIFITS

- Excellent thermal and oxidation stability
- This grease also provides protection against rust and corrosion

PERFORMANCE STANDARDS

- Meet IS: 506 -1993, IS : 7623, NLGI NO. 2, 3

- Having moderately high drop points, resistance to oxidation, good thermal and structural stability

TYPICAL CHARACTERISTICS

PROPERTIES	NO. 2	NO.3
Type of Soap	Lithium	Lithium
Colour	Brown	Brown
Work Penetration at 25°C	265 - 295	220 - 250
Drop Point °C, Min.	180	190

COOLANTS/ ANTI-FREEZE

ITR COOLANT CONCENTRATED



ITR COOLANT CONCENTRATED is a mixture chemically engineered to provide effective cooling & antifreeze solution. It typically contains ethylene glycol and chemical additives like anticorrosive agents, foam suppressors, anti-rust agents and dyes.

APPLICATION

- ITR COOLANT CONCENTRATED is recommended for use in the cooling systems of all types of automotive engines.
- This product meets ASTM D 3306 for automotive service and ASTM D 4985 for heavy duty diesel service.

PERFORMANCE BENEFITS

- It meets the ASTM D3306 corrosion test requirement.
- Provides superior engine protection in heavy duty diesel applications where glycol based coolants are used, as well as diesel applications where water is used as the coolant.
- Relatively less toxic and, as a result, is preferred by those concerned about skin sensitivity and coolant spills or disposal.

PERFORMANCE STANDARDS

- GM 6277M
- ASTM D 4985
- ASTM D 3306

TYPICAL CHARACTERISTICS

TYPICAL PROPERTIES	ITR COOLANT CONCENTRATED (100%)
Appearance	Clear And Bright
Density @29.5 °C (ASTM D 1298-12b)	1.104 g/cm ³

ITR COOLANT PREMIXED



ITR COOLANT PREMIXED is efficient in transferring the heat as well as preventing scale & corrosion of the radiator and the engine cooling system.

APPLICATION

- ITR COOLANT PREMIXED is used by all vehicles for heat transfer.

PERFORMANCE BENEFITS

- It is antifreeze during the winter due to low freezing point and an anti-boiling during the summer season due to high boiling point.
- It is a readily available in concentrations 33% and 50% for use directly in the Cooling System.

PERFORMANCE STANDARDS

- JIS - K - 2234
- BS: 6580
- ASTM D 3306

TYPICAL CHARACTERISTICS

TYPICAL PROPERTIES	ITR COOLANT PREMIXED (50%)	ITR COOLANT Premixed (33%)
Appearance	Clear And Bright	Clear And Bright
Density @29.5 °C (ASTM D 1298-12b)	1.05 - 1.055 g/cm ³	1.05 - 1.055 g/cm ³
Boiling Point °C	125	120
Freezing Point °C	-39	-33
Reserve Alkalinity	2.88	2.6
PH Value	8.85	9

CERTIFICATIONS

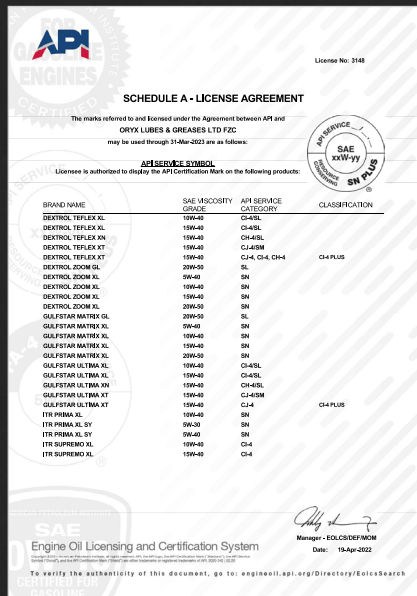


BQC ASSESSMENT
CERTIFICATE
This is to Certify that the Quality Management System of
ORYX LUBES & GREASES LTD FZC
P.O. Box: 42421, Hamriyah Free Zone-Phase 1, Plot No. 2M-01 & 02, Sharjah, United Arab Emirates
has been found to comply with
ISO 9001:2015
This certificate is applicable to the following scope:
Manufacturing and Packing of Lubricating Oils and Greases.
Certificate No.: BQSC202202015

Date of Initial Registration 12th February 2022
Surveillance Audit on Before 12th January 2023
Certificate Expiry 11th February 2025
Recertification Due 11th February 2025

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Authorized Signatory
BQC ASSESSMENT PRIVATE LIMITED
Website: www.bqcassess.com Email: info@bqcassess.com

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The marks referred to and licensed under the Agreement between API and ORYX LUBES & GREASES LTD FZC may be used through 31-Mar-2023 as follows:

APPLY THE SYMBOL
Licensee is authorized to display the API Certification Mark on the following products:

BRAND NAME	SAE VISCOSITY GRADE	API SERVICE CATEGORY	CLASSIFICATION
DEXTRON TEFLEX XL	15W-40	CI-4SL	
DEXTRON TEFLEX XL	15W-40	CI-4SL	
DEXTRON TEFLEX XL	15W-40	CI-4SL	
DEXTRON TEFLEX XT	15W-40	CJ-4/8W	
DEXTRON TEFLEX XT	15W-40	CJ-4, CH-4, CH-4	CH-4 PLUS
DEXTRON ZOOM SL	20W-50	SL	
DEXTRON ZOOM XL	20W-50	SN	
DEXTRON ZOOM XL	15W-40	SN	
DEXTRON ZOOM XL	20W-50	SN	
DEXTRON ZOOM XL	20W-50	SL	
GULFSTAR MATREX XL	20W-50	SN	
GULFSTAR MATREX XL	15W-40	SN	
GULFSTAR MATREX XL	15W-40	SN	
GULFSTAR MATREX XL	15W-40	SN	
GULFSTAR ULTIMA XL	20W-50	SN	
GULFSTAR ULTIMA XL	15W-40	CI-4SL	
GULFSTAR ULTIMA XL	15W-40	CI-4SL	
GULFSTAR ULTIMA VN	15W-40	CI-4SL	
GULFSTAR ULTIMA XT	15W-40	CJ-4/8W	
GULFSTAR ULTIMA XT	15W-40	CJ-4	CH-4 PLUS
ITR PRIMA XL	15W-40	SN	
ITR PRIMA XL BY	20W-50	SN	
ITR PRIMA XL BY	20W-50	SN	
ITR SUPREMO XL	15W-40	CI-4	
ITR SUPREMO XL	15W-40	CI-4	

SAE Engine Oil Licensing and Certification System
Manager - EOLCS/DEF/MCN
Date: 18-Apr-2022

To verify the authenticity of this document, go to: engineoil.api.org/Directory/EOLCSearch





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