

RAYSUN

| SPECIAL CARE |



- ▶ **Raysun Oil Company** is one of the most dynamic lubricant manufacturers in the Middle East since 2007 when it started producing special products such as Industrial, automotive and marine lubricants and engine coolants.
- ▶ The company operates a modern manufacturing facility dedicated to producing various specialized lubricants, alongside sophisticated quality control laboratories. Additionally, it holds several licenses issued by international and local authorities, including ISO 9001:2015, ISO/TS 29001:2010, ISO 10002:2018, and ISO/IEC 17025:2017.

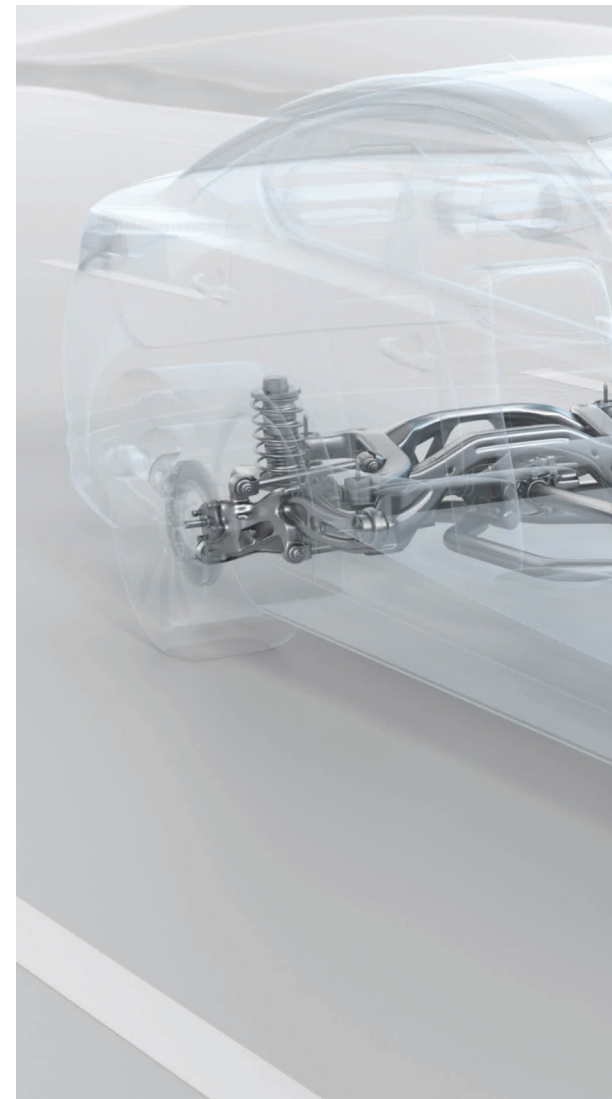


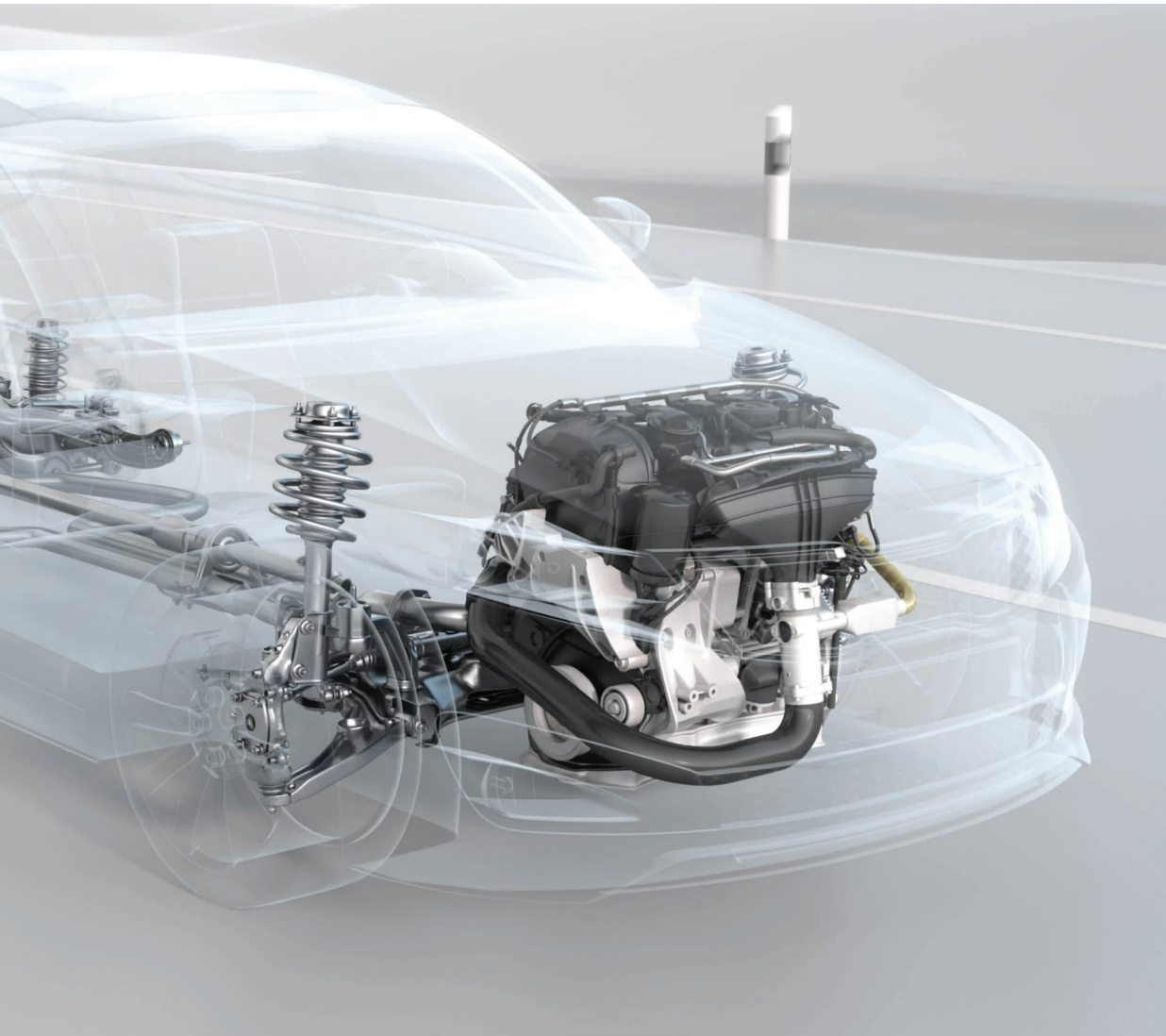


- ▶ Providing high quality blending and packing services to OEMs and several engine oil manufacturing companies in the region for the production of engine oils, gear oils, ATF, industrial oils as well as engine coolant are extra services which Raysun is offering currently to its clients.
- ▶ Raysun's technical knowledge and experience in formulation of various lubricants have led the company to introduce special products to the market for the first time in the region



6	▲ Gasoline Engine Oils
12	▲ Diesel Engine Oils
16	▲ Gas Engine Oil
18	▲ Engine Coolants (Antifreeze, Anti-boil & Anti-rust)
22	▲ Automatic Transmission Fluids (ATF)
26	▲ Automotive Gear Oils
28	▲ 4-Stroke Motorcycle Oils





Hybrid Engine



Advanced LSPI Protection



Fuel Economy



Synthetic Oil



Smooth Cold Start



Engine



Improved Efficiency



Extended Oil Change Interval

Gasoline Engine Oils



Gasoline Engine Oils:

We offer a range of engine oils to maximize your engine's performance and deliver outstanding protection against wear.

RAYSUN LEO X9

Performance Levels:

- ▲ API SP
- ▲ ILSAC GF- 6B
- ▲ SAE 0W-16, 0W-30 & 5W-30

Advantages:

- ▲ Formulated to provide Low Speed Pre-Ignition (LSPI) protection
- ▲ Latest additive technology coupled with synthetic base fluids
- ▲ The special friction modifiers used in the Resource conserving oils improve & retain fuel economy
- ▲ Superior volatility characteristics reduce oil consumption and hydro-carbon pollution
- ▲ Compatible with ethanol-containing fuels up to E85
- ▲ Provides excellent lubrication at low temperatures and protects engine at high temperatures

⚙️ **Recommended for modern turbocharged direct injection gasoline engines where low speed pre-ignition and timing chain wear protection is required.**



RAYSUN JUPITER HYB

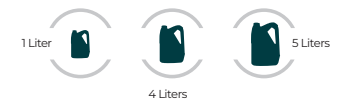
Performance Levels:

- ▲ API SN
- ▲ SAE 0W-20

Advantages:

- ▲ Produced by high fully quality synthetic base oils and advanced additives
- ▲ Improved fuel economy and outstanding low temperature capabilities
- ▲ Reduce oil consumption and hydro-carbon pollution

⚙️ **Recommended for Hybrid Electric Vehicles (H.E.V) and suitable for modern automotive gasoline engines.**



RAYSUN JUPITER 4X4

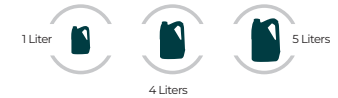
Performance Levels:

- ▲ API SN
- ▲ SAE 5W-30 & 10W-40

Advantages:

- ▲ Produced by high synthetic, semi-synthetic base oils and advanced additives
- ▲ Improved fuel economy and outstanding low temperature capabilities help in emission system durability, improving sludge protection and piston cleanliness
- ▲ Reduce oil consumption and hydro-carbon pollution

⚙️ Recommended for light-duty and off-road vehicles e.g. Toyota (Land cruiser OXR & VXR, FJ Cruiser, Hilux, SUV & Prado), Hyundai (Tucson), Nissan (Murano), Kia (Sportage, Mohave & Sorento).



RAYSUN JUPITER

Performance Levels:

- ▲ API SN
- ▲ SAE 0W-30 & 5W-30

Advantages:

- ▲ Produced by high quality synthetic base oils and advanced additives
- ▲ Excellent lubrication at low temperatures
- ▲ Wear protection while operating on ethanol containing fuel up to E85
- ▲ Reduce oil consumption and hydro-carbon pollution

⚙️ Recommended for all modern vehicles which produced after 2011.



RAYSUN MERCURY

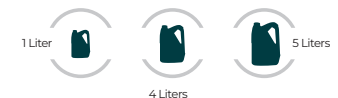
Performance Levels:

- ▲ API SM
- ▲ SAE 5W-30, 5W-40 & 10W-40

Advantages:

- ▲ Produced by synthetic, semi-synthetic base oils and unique additives
- ▲ Outstanding thermo-oxidative stability reduces deposits & sludge build-up
- ▲ Improved fuel economy
- ▲ Excellent low temperature fluidity aids quick cold start
- ▲ Provides excellent wear protection

⚙️ Recommended For vehicles which produced 2010 and older automotive engines.



RAYSUN LYRA

Performance Levels:

- ▲ API SL/CF-4
- ▲ SAE 10W-40, 15W-40 & 20W-50

Advantages:

- ▲ Produced by Mineral base oils and desirable additives
- ▲ Good low temperature fluidity assists in easy cold starts
- ▲ Superior anti-wear technology minimizes engine wear and thereby reduces maintenance cost

⚙️ Recommended for vehicles which produced 2004 and older automotive engines.



RAYSUN ALYA

Performance Levels:

- ▲ API S3/CF-4
- ▲ SAE 15W-40 & 20W-50

Advantages:

- ▲ Produced by mineral base oils and proper additives
- ▲ Advanced anti-wear technology minimizes engine wear
- ▲ Excellent engine cleanliness
- ▲ Reduce maintenance cost

⚙️ Recommended for modern high performance turbocharged gasoline powered passenger cars.



RAYSUN ATIK

Performance Levels:

- ▲ API SG/CD
- ▲ SAE 15W-40 & 20W-50

Advantages:

- ▲ Produced by mineral base oils and proper additives
- ▲ Better thermo-oxidative stability
- ▲ Better antiwear technology minimizes engine wear to reduce maintenance costs
- ▲ Good Stay-in-grade performance

⚙️ Recommended for use in passenger cars and diesel powered light duty vehicles requiring API SG & API CD quality.





RAYSUN PORRIMA

Performance Levels:

- ▶ API SC/CC
- ▶ SAE 40, 50 & 20W-50

Advantages:

- ▶ Produced by mineral base oils and additives
- ▶ Good thermo-oxidative stability
- ▶ Protect engine components against rust and corrosion

- ⚙️ Recommended for older gasoline powered passenger cars and diesel engines of light duty vehicles requiring API SC & API CC quality.





RAYSUN TETHYS

Performance Levels:

- ▲ API SF/CD
- ▲ SAE 30, 40, 15W-40 & 20W-50

Advantages:

- ▲ Produced by mineral base oils and additives
- ▲ Good thermo-oxidative stability
- ▲ Effective rust inhibitors
- ▲ Better anti-wear technology minimizes engine wear
- ▲ Good Stay-in-grade

⚙️ Recommended for older gasoline powered passenger cars and naturally aspirated diesel engines of light duty vehicles requiring API SF & API CD quality.



Diesel Engine Oils



Diesel Engine Oils:

We offer an extensive range of oils and lubricants for diesel engine. The range stretches across fuel-efficient engine oils, synthetic oils, multi and mono-grade lubricants.

REYSUN LEO Z10

Performance Levels:

- ▲ API CK-4
- ▲ ACEA E9, E7
- ▲ Mack EOS-4.5, EO-O Premium Plus, EO-N
- ▲ Volvo VDS-4.5, VDS-4, VDS-3
- ▲ Caterpillar ECF-3, ECF-2
- ▲ Cummins CES 20086, 20081
- ▲ Detroit Diesel DFS 93K222, DFS 93K218
- ▲ Daimler MB 228.31
- ▲ Ford WSS M2C171-F1, MAN 3575
- ▲ MTU Category 2.1, Renault RLD-4, RLD-3
- ▲ SAE 5W-30, 10W-30, 10W-40 & 15W-40

Advantages:

- ▲ Outstanding thermal and oxidative stability reduces low-temperature sludge build-up, high temperature deposits and oil thickening
- ▲ Excellent soot handling capability minimizes soot related viscosity increase and leads to longer engine/oil life
- ▲ Superior shear stability maintains viscosity in severe service conditions and leads to improved wear protection
- ▲ Exceptional TBN retention resists harmful effects of corrosive exhaust gases and extends oil life
- ▲ Low ash content reduces particulate build-up in Diesel Particulate Filter (DPF) and enhances its life

⚙️ Recommended for high-speed four-stroke cycle diesel engines designed to meet 2017 model year on-highway and Tier 4 non-road exhaust emission standards as well as for previous model year diesel engines.



RAYSUN APPOLLO

Performance Levels:

- ▲ API CJ-4
- ▲ ACEA E912- /E712-
- ▲ MB 228.31
- ▲ MAN M 3575
- ▲ Volvo VDS-4
- ▲ MACK EO- O Premium
- ▲ Renault Trucks RLD-3
- ▲ Caterpillar ECF-3
- ▲ Cummins CES20081
- ▲ MTU Cat 2.1
- ▲ Detroit Diesel DFS 93K218
- ▲ Deutz DQC III-10 LA
- ▲ SAE 10W-30, 10W-40 & 15-W40

Advantages:

- ▲ Outstanding thermal and oxidative stability reduce low-temperature sludge build-up, high- temperature deposits and oil thickening
- ▲ Low ash content reduces particulate build-up in Diesel Particulate Filter (DPF)
- ▲ Excellent soot handling minimizes soot related viscosity increase and leads to longer engine oil life

⚙️ Recommended for latest high performance low emission engines including those equipped with DPF and Exhaust Gas Recirculation (EGR) and meets US 2007 on-highway exhaust emission standards.



RAYSUN PLUTO

Performance Levels:

- ▲ API CI-4
- ▲ ACEA E4, E7
- ▲ Scania LDF-2
- ▲ Mack EO-M Plus
- ▲ Cummins CES 2007778/
- ▲ DAF Extended Drains
- ▲ MAN M 3277
- ▲ MB 228.5
- ▲ Volvo VDS-3

- ▲ Renault Trucks RXD/RLD-2
- ▲ Mack EO-N
- ▲ MTU Oil Category 3
- ▲ SAE 10W-40

Advantages:

- ▲ Superior protection against bore polishing
- ▲ Exceptional deposit control leading to cleaner engine and thereby reduced maintenance costs
- ▲ High viscosity index facilitates smooth operation over a wide temperature range
- ▲ High shear stability ensures viscosity control, wear protection and lower oil consumption
- ▲ Outstanding detergency provides protection against high temperature deposits

⚙️ Recommended for use in all low emission turbo charged and naturally aspirated heavy-duty diesel engines meeting Euro IV and V emission standards manufactured by North American, European and Japanese manufacturers requiring such quality oils



RAYSUN SPICA

Performance Levels:

- ▲ API CI-4
- ▲ MAN 3275
- ▲ Volvo VDS-3
- ▲ SAE 40, 50, 10W-40, 15W-40 & 20W-50

Advantages:

- ▲ Outstanding thermo-oxidative stability
- ▲ Superior protection against corrosive wear helps in sustaining engine durability
- ▲ High shear stability ensures viscosity control at elevated temperatures and reduces oil consumption and wear

⚙️ Recommended for use in turbocharged and naturally aspirated diesel engines used in on-highway applications including those fitted with EGR systems and meeting US 2004 emission norms introduced in 2002 and in all heavy duty diesel engines used in mining, construction, agriculture & other off-highway applications requiring such quality oils.



RAYSUN NESTOR

Performance Levels:

- ▲ API CH-4
- ▲ SAE 10W-40, 15W-40 & 20W-50

Advantages:

- ▲ Excellent thermo-oxidative stability
- ▲ Exceptional anti wear properties protect critical engine components to extend engine life and reduce maintenance costs
- ▲ Engine cleanliness
- ▲ Good fluidity at low temperatures for facilitating cold starts

⚙️ Recommended for use in on-highway light and heavy duty trucking including high speed-high load service and short haul pick-up/delivery van and heavy duty diesel engines used in mining, construction, agriculture and other off highway applications requiring such quality oils.



RAYSUN ATRIA

Performance Levels:

- ▲ API CG-4
- ▲ SAE 15W-40 & 20W-50

Advantages:

- ▲ Good dispersancy ensures soot dispersion to control oil thickening and wear
- ▲ Improved detergency reduces deposits and enhances engine cleanliness

⚙️ Recommended for use in on-highway light and heavy duty trucking including high speed-high load service and short haul pick-up/delivery van and heavy duty diesel engines used in mining, construction, agriculture and other off-highway applications requiring such quality oils.



RAYSUN BETRIA

Performance Levels:

- ▲ API CF-4
- ▲ SAE 30, 40, 50, 10W, 15W-40, 20W-40, 20W-50 & 25W-60

Advantages:

- ▲ Better detergency reduces deposits and keeps engines cleaner
- ▲ Good dispersancy helps in controlling soot induced oil thickening and wear

⚙️ Recommended for use in on-highway applications including light and heavy duty applications and heavy-duty diesel engines used in mining, construction, agriculture and other off-highway applications requiring such quality oils.



RAYSUN SUBRA

Performance Levels:

- ▲ API CF
- ▲ SAE 30, 40, 50, 10W, 15W-40, 20W-40, 20W-50, 25W-50 & 25W-60

Advantages:

- ▲ Good detergency characteristics for cleaner engine

⚙️ Recommended for use in heavy-duty diesel engines used in mining, construction, agriculture and other off-highway road applications where such performance level oil is recommended requiring such quality oils.



Gas Engine Oil



Gas Engine Oil:

Our gas engine oil provides excellent performance and prevents oxidation and nitration in CNG-fueled engines.

RAYSUN GATRIA

Performance Levels:

- ▶ API SJ/CF-4
- ▶ SAE 20W-5

Advantages:

- ▶ Produced by mineral base oils and proper additives
- ▶ Good oxidation and nitration resistance
- ▶ Controls combustion chamber carbon and ash deposits
- ▶ Advanced anti-wear technology minimizes engine wear
- ▶ Excellent engine cleanliness

⚙ Recommended for use in light-duty vehicles running on CNG, LPG or propane.



Engine Coolants



Engine Coolants (Antifreeze, Anti-boil & Anti-rust):

Our coolants are suitable for use in both passenger cars and commercial vehicles, these coolants provide adequate protection to coolant systems to prevent corrosion and sediments.

RAYSUN POLARIS NGE C

Advantages:

- ▲ Heavy-duty concentrated cooling system fluid
- ▲ Provides superior protection for metal components, especially aluminum, against pitting and corrosion.
- ▲ Wide range of protecting cooling system -33 up to 127
- ▲ Free of amines, borates, nitrates and phosphates
- ▲ Excellent heat transfer properties
- ▲ Provides elastomer compatibility
- ▲ Long Service Life

 Recommended for use in heavy duty diesel, gasoline and natural gas engines.



RAYSUN POLARIS NGE C 50

Advantages:

- ▲ Ready to use heavy-duty cooling system fluid
- ▲ Provides superior protection for metal components, especially aluminum, against pitting and corrosion.
- ▲ Wide range of protecting cooling system 33- up to 127
- ▲ Free of amines, borates, nitrates and phosphates
- ▲ Excellent heat transfer properties
- ▲ Provides elastomer compatibility
- ▲ Long Service Life

 Recommended for use in heavy duty diesel, gasoline and natural gas engines.



RAYSUN ORGANIC POLARIS

Specifications:

- ▲ ASTM D 3306

Advantages:

- ▲ Long life concentrates radiator coolant
- ▲ Protects the cooling system against freezing & corrosion
- ▲ Excellent heat transfer properties
- ▲ Compatible with cooling system filters

⚙️ Recommended for use in radiators of heavy duty trucks and buses, light commercial vehicles, passenger cars and utility vehicles.



RAYSUN POLARIS PD 50

Specifications:

- ▲ ASTM D 3306

Advantages:

- ▲ Inorganic ready to use engine coolant
- ▲ Protects the cooling system against freezing & corrosion
- ▲ Excellent heat transfer properties
- ▲ Compatible with cooling system filters

⚙️ Recommended for use in cooling systems in gasoline, diesel engines and cooling systems of all types of liquid cooled automotive and internal combustion engines.



RAYSUN ORGANIC POLARIS 40%, 50% & 60%

Specifications:

- ▲ ASTM D 3306

Advantages:

- ▲ Long life ready to use engine coolant
- ▲ Protects the cooling system against freezing & corrosion
- ▲ Excellent heat transfer properties
- ▲ Compatible with cooling system filters

⚙️ Recommended for use in radiators of heavy duty trucks and buses, Light Commercial Vehicles, Passenger cars and Utility Vehicles.



RAYSUN POLARIS

Specifications:

- ▲ ASTM D 3306

Advantages:

- ▲ Inorganic concentrate radiator coolant
- ▲ Protects the cooling system against freezing & corrosion
- ▲ Excellent heat transfer properties
- ▲ Compatible with cooling system filters

⚙️ Recommended for use in cooling systems of gasoline, diesel engines and cooling systems of all types of liquid cooled automotive and internal combustion engines.



Automatic Transmission Fluids



Automatic Transmission Fluids (ATF):

Our high quality transmission fluids are designed for transmission and power steering applications in a wide range of vehicles.

RAYSON DCT FLUID

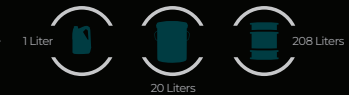
Specifications:

- ▲ VW (Audi, Seat, Skoda) 6-speed FWD
- ▲ Renault EDC 6-speed
- ▲ Peugeot / Citroen DCS 6-speed

Advantages:

- ▲ Synthetic base fluid offers improved fluidity and lubrication under cold weather conditions
- ▲ Smooth operation of wet clutches and synchronizers leading to improved drivability and anti-shudder performance
- ▲ Shear stable additives enable retention of viscosity throughout the life of the oil

⚙️ Recommended for Dual Clutch Transmissions: VW (Audi, Seat, Skoda) 6-speed FWD, Renault EDC-6 speed, Chrysler Power shift 6-speed, Ford Power shift 6-speed, Mitsubishi TC-SSTT 6-speed, Peugeot/ Citroen DCS 6-speed, Volvo Power shift 6-speed and application also includes the Bugatti Veyron.



RAYSON CVT FLUID

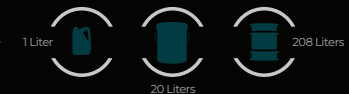
Specification:

- ▲ Nissan NS-2 & NS-3
- ▲ Suzuki NS-2
- ▲ Toyota CVTF TC
- ▲ Honda HCF2
- ▲ Mini Cooper EZL799

Advantages:

- ▲ Improved anti-shudder properties ensuring smooth operations
- ▲ Superior operational efficiency with reduced risk of belt-slippage
- ▲ Enhanced wear protection in the push belt-pulley interface
- ▲ Good balanced coefficient of friction
- ▲ Enhanced oxidative stability for longer fluid life and extended service interval

⚙️ Recommended for wide range of passenger car CVT fluid service-fill applications.
Not suitable for use in hybrid CVT units like Ford & Toyota.



RAYSON ATF DEXRON VI

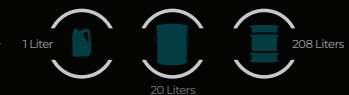
Specification:

- ▲ General Motors DEXRON VI

Advantages:

- ▲ Outstanding thermo-oxidative stability, wear protection and shear stability
- ▲ Excellent low temperature fluidity
- ▲ Optimized frictional properties prevent clutch shudder and enable smooth gear shifting & extended clutch durability
- ▲ Protects critical parts against rust and corrosion

⚙️ Recommended for all 2006 and beyond General Motors vehicles with six speed Hydra-Matic transmissions requiring DEXRON® VI quality fluids and for automatic transmissions requiring DEXRON® III (H), DEXRON® III, DEXRON® II E and DEXRON® II D quality oils for enhanced performance.



RAYSUN ATF DEXRON IIIH

Specifications:

- ▲ General Motors DEXRON IIIH
- ▲ FORD MERCON

Advantages:

- ▲ Produced by high quality base oils and advanced additives
- ▲ Provides longer fluid and component life
- ▲ Excellent protection against rust, wear and corrosion
- ▲ Improved low temperature fluidity to easy pumping in the hydraulic circuits

⚙️ Recommended for automatic transmission fluids requiring General Motors DEXRON IIIH, III, IID, IIE and running on FORD MERCON quality recommended requiring such quality oils.



RAYSUN AL4 FLUID RENAULT

Specifications:

- ▲ ZF TE-ML 09/11B/14B

Advantages:

- ▲ Produced by high quality synthetic base oils and carefully selected additives
- ▲ Excellent protection against oxidation, with better frictional properties
- ▲ Improved wear protection
- ▲ Excellent temperature fluidity

⚙️ Recommended for use in the ZF AL4 in Renault Logan, Megane, Duster, Safrane, Citroën C5 and also for 4HP20 gearboxes as the automatic transmission fluid.



RAYSUN AL4 FLUID PEUGEOT

Specifications:

- ▲ ZF TE-ML 09/11B/14B

Advantages:

- ▲ Produced by high quality synthetic base oils and carefully selected additives
- ▲ Excellent protection against oxidation, with better frictional properties
- ▲ Improved wear protection
- ▲ Excellent temperature fluidity

⚙️ Recommended for use in the ZF AL4 in Peugeot ,206 207 i, 407 ,406 ,308 and 4HP20 gearboxes as the automatic transmission fluid.



RAYSUN ATF DEXRON II

Specifications:

- ▲ General Motors DEXRON IID

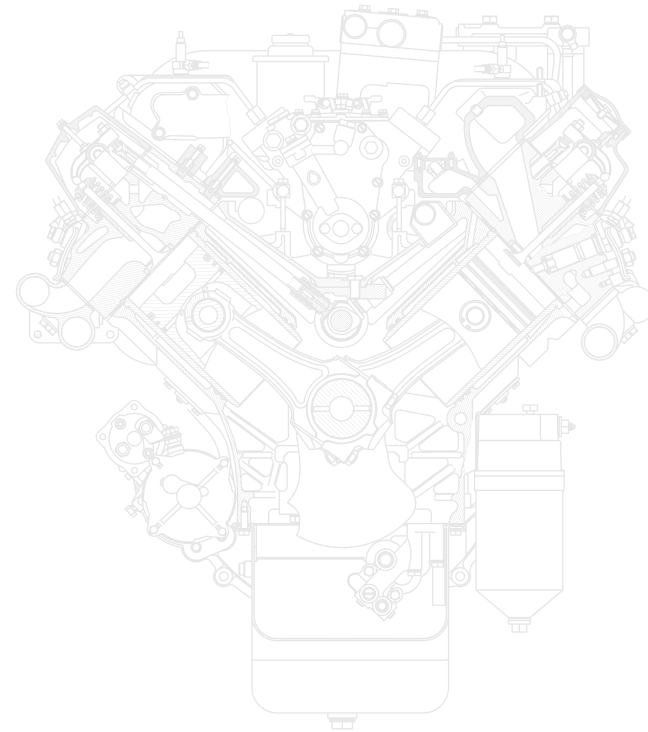
Advantages:

- ▲ Produced by high quality base oils and additives
- ▲ Improved anti-wear technology
- ▲ Enhanced low temperature fluidity
- ▲ Provides better protection against rust and corrosion

⚙️ Recommended for all vehicles of General Motors requiring DEXRON IID quality fluids.



Automatic
Transmission
Fluids



Automotive Gear Oils



Automotive Gear Oils:

Raysun offers complete range of SAE grades of Gear oils meeting API GL4 and GL5 performance requirements for cars, trucks, off road vehicle, construction equipment, tractors and etc.

RAYSUN VESTA MP

Performance Levels:

- ▲ API GL-5
- ▲ US MIL-L-2105D
- ▲ SAE 80, 90, 140, 75W-80, 75W-90, 80W-90, 85W-90 & 85W-140

Advantages:

- ▲ Excellent pressure properties shield against wear under different operating conditions
- ▲ High oxidation stability minimizes sludge and deposit formation
- ▲ Effective rust and corrosion protection reduce wear and extend component life
- ▲ Good low temperature fluidity reduces wear and enables easy start-up under low ambient temperatures

⚙️ Recommended for hypoid gears operating under severe conditions like high speed/shock load, high speed/low torque and/or low speed/high torque.



RAYSUN VESTA EP

Performance Levels:

- ▲ API GL-4
- ▲ US MIL-L-2105
- ▲ SAE 80, 90, 140, 75W-80, 75W-90, 80W-90, 85W-90 & 85W-140

Advantages:

- ▲ Good Pressure and Anti-wear properties protect against wear and scoring
- ▲ High oxidation stability minimizes sludge and deposit formation
- ▲ Effective rust and corrosion protection

⚙️ Recommended for hypoid gears operating under mild to moderate speeds in passenger cars, light and heavy duty trucks, buses and vans.



4-Stroke Motorcycle Oils



4-Stroke Motorcycle Oils:

Raysun 4-Stroke Motorcycle Oil can give motorcyclists the confidence their vehicles are getting the best possible protection and delivering excellent performance.

RAYSUN LIBRA

Performance Levels:

- ▲ JASO MA2
- ▲ API SL/CF-4
- ▲ SAE 10W-40

Advantages:

- ▲ Produced by semi-synthetic base oils and modern additives
- ▲ Controlled frictional properties eliminate clutch slippage
- ▲ Increases fuel economy & improves drivability
- ▲ Provides engine cleanliness, extends oil life and reduces maintenance costs
- ▲ Effective rust and corrosion inhibition property

⚙️ Recommended for use in 4-stroke gasoline engines in motorcycles requiring JASO MA2 & API SL/CF-4 quality.



RAYSUN MEISSA

Performance Levels:

- ▲ JASO MA
- ▲ API SL/CF-4
- ▲ SAE 10W-40

Advantages:

- ▲ Produced by semi-synthetic base oils and proper additives
- ▲ Exceptional antiwear properties protect vital engine components
- ▲ Controlled frictional properties eliminate clutch slippage leading to increased power/ fuel economy
- ▲ Effective rust and corrosion inhibition property

⚙️ Recommended for use in 4-stroke gasoline engines in motorcycles requiring JASO MA & API SL/CF-4 quality.





Raysun oil Factory, Shamsabad Industrial City
www.raysunoil.com info@raysunoil.com
+98 21 2355 9400

