

QUARTZ

A new vision of performance




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TotalEnergies

A leading global energy company

Ranked 4th* largest lubricants supplier in the global energy market, with more than 100,000 employees across 130 countries.

Cutting edge Research and Development in lubricant innovation for over 60 years

A total of 1 billion USD invested in R&D, for all activities, to continuously boost product performance.

A trusted partner, products approved by passenger car manufacturers

ASTON MARTIN

AUDI

BMW

CHRYSLER

CITROËN

DACIA

DS

FORD

GENERAL MOTORS

GREAT WALL

HAVAL

HONDA

HYUNDAI

ISUZU

JAGUAR

KIA

LAND-ROVER

MERCEDES-BENZ

NISSAN

OPEL

PEUGEOT

PORSCHE

RENAULT

SKODA

SUZUKI

VOLKSWAGEN

VOLVO

(*According to IHS



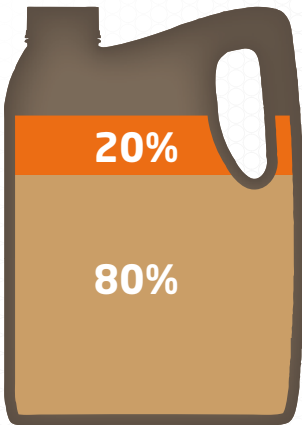
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LUBRICANTS BASICS

A lubricant is a mixture of **base oil** and several **additives**: antioxidant, anti-wear, anti-rust, etc.

A lubricant plays a vital role in ensuring any type of motorised vehicle runs smoothly. Without it, the engine's performance - as well as its lifespan - would be adversely affected.



Additives

Additives are chemicals that are specially designed to improve certain characteristics of a lubricant.

The adding of performance additives and polymers significantly improves the properties of the base oil.



Base oils

Base oils are the main component of lubricants.

THE MAIN FUNCTIONS OF A LUBRICANT

1



Protect mechanical parts from wear and corrosion to ensure the engine's longevity.

2



Reduce friction to improve performance and lower fuel consumption.

3



Keep engine **clean** by removing dirt.

4



Improve performance through engine sealing, guarantee optimal performance.

5



Cool the engine and prevent the parts from becoming deformed.

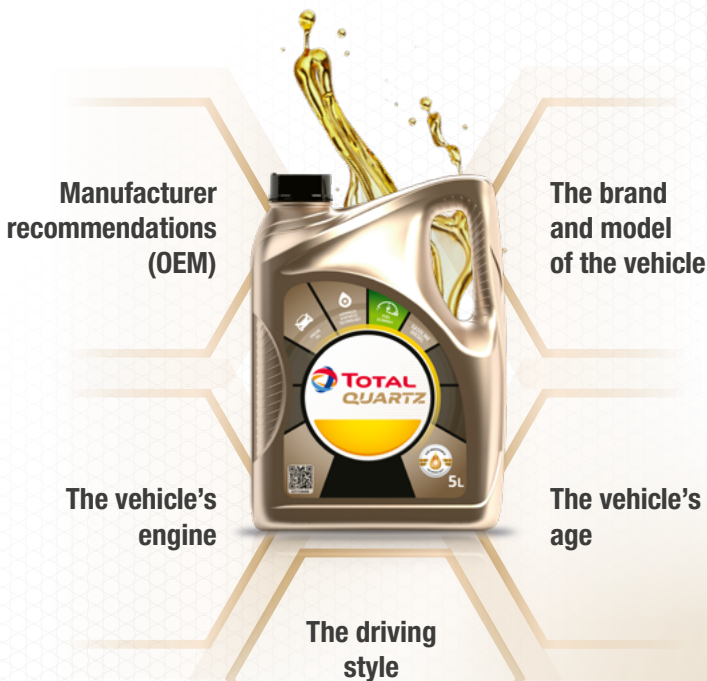
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Reduce fuel consumption.

THE RECOMMENDATION OF A LUBRICANT

To recommend the right lubricant, it is important to take the following elements into consideration:



OUR BLOCKBUSTER BRANDS

QUARTZ

A FULL RANGE
OF LUBRICANTS FOR
PASSENGERS CARS
(GASOLINE & DIESEL)

RUBiA

A FULL RANGE OF
LUBRICANTS FOR HEAVY
DUTY VEHICLES
(GASOLINE & DIESEL)

Hi-PERF

A FULL RANGE OF
LUBRICANTS FOR
MOTORBIKES,
SCOOTERS AND
THREE WHEELERS

QUARTZ RANGE



QUARTZ 9000 FUTURE 0W-20 (FULLY SYNTHETIC)

TOTAL QUARTZ 9000 FUTURE is particularly well-suited for use in the latest engines equipped with Stop & Start technologies and hybrid engines which require very fluid synthetic engine oils. This oil is suitable for a wide range of engines, both turbo charged normally aspirated.

INTERNATIONAL STANDARDS

- API SN & ILSAC GF-5
- Retro-applicable for :
- API SM, SL & ILSAC GF-4, GF-3

APPROVALS & RECOMMENDATIONS

- HONDA
 - MITSUBISHI
 - TOYOTA
- And many other American & Asian car brands



QUARTZ INEO MC3 5W-30 (FULLY SYNTHETIC)

TOTAL QUARTZ INEO MC3 5W-30 with ART (Age Resistance Technology) is an advanced, highly charged formula which fortifies the anti-oxidation properties of the engine oil offering therefore ultimate protection against sludge formation and wear.

INTERNATIONAL STANDARDS

- ACEA C3
- API SN/CF

APPROVALS & RECOMMENDATIONS

- MERCEDES-BENZ
- BMW
- VOLKSWAGEN
- HYUNDAI - KIA
- GENERAL MOTORS



QUARTZ INEO LONG LIFE 5W-30 (FULLY SYNTHETIC)

TOTAL QUARTZ INEO LONG LIFE 5W-30 with ART (Age Resistance Technology) is an advanced, highly charged formula which fortifies the anti-oxidation properties of the engine oil offering therefore ultimate protection against sludge formation and wear.

INTERNATIONAL STANDARDS

- ACEA C3
- API SN

APPROVALS & RECOMMENDATIONS

- VOLKSWAGEN
- BMW
- MERCEDES-BENZ
- PORSCHE

QUARTZ RANGE



QUARTZ 7000 10W-40 / 15W-50 (SEMI-SYNTHETIC)

TOTAL QUARTZ 7000 10W-40 is a synthetic based technology engine oil that has been developed to cover the most stringent requirements of both gasoline and diesel engines. TOTAL QUARTZ 7000 10W-40 is particularly suited to turbocharged and multi-valve engines. This engine oil is perfectly adapted to vehicles equipped with catalysts and using unleaded fuel or liquefied petroleum gas. Also adapted to Diesel and bio-diesel.

INTERNATIONAL STANDARDS

- ACEA A3/B4
- API SL/CF

APPROVALS & RECOMMENDATIONS

- PSA PEUGEOT CITROEN
- VOLKSWAGEN
- MERCEDES-BENZ



Quartz 4000 SL SAE 40/SAE 50

These engine oil is particularly well-suited for hot countries where high temperatures call for viscous engine oils. These monograde oil can be used with petrol or diesel engine technologies without particulate filters and engines built prior to 2001 and designed for use with monograde 40 or 50 oils. These formulations are suitable for normal driving conditions. It provides engines with protection against deposits.

INTERNATIONAL STANDARDS

- API SL/CF

Backward compatible
API SJ and SH/CF



QUARTZ 5000 15W-40 / 20W-50

TOTAL QUARTZ 5000 15W-40 has been developed to cover the most stringent requirements of both gasoline and diesel engines. TOTAL QUARTZ 5000 15W-40 is particularly suited to turbo charged engines.

INTERNATIONAL STANDARDS

- ACEA A3/B3
- API SL/CF

APPROVALS & RECOMMENDATIONS

- PSA PEUGEOT CITROEN
- MERCEDES-BENZ
- VOLKSWAGEN
- ISUZU

RUBIA RANGE



RUBIA TIR 7400 15W-40

TOTAL RUBIA TIR 7400 15W-40 is a mineral lubricant recommended for heavy duty diesel engines (Trucks, Bus). This lubricant is recommended to all manufacturers up to Euro 3 and even, for certain manufacturers, up to Euro 5 with adapted oil change intervals.

INTERNATIONAL STANDARDS

- ACEA E7
- API CI-4/CH-4/SL

APPROVALS & RECOMMENDATIONS

- CUMMINS CES
- KAMAZ
- MACK EO-N
- MAN M 3275
- MERCEDES-BENZ
- RENAULT TRUCKS
- VOLVO VDS-3



Rubia SX 10W, 30, 40 en 50

Single grade mineral lubricants, suitable for hydraulic circuits, engines and gearboxes of trucks, agricultural equipments, land earthmoving or quarries machinery.

INTERNATIONAL STANDARDS

- API CF / SF

RUBIA RANGE



RUBIA CF-2 40

TOTAL RUBIA CF-2 40 monograde oil for two-stroke diesel engines. This oil is intended for all two-stroke diesel engines where an API CF-2 or API CD II specification is required.

TOTAL RUBIA CF-2 40 has been specially adapted for lubrication of two-stroke DETROIT DIESEL engines.

CLASSIFICATION

- API: CF-2

MEETS THE REQUIREMENTS OF DETROIT DIESEL



RUBIA WORKS 1000 15W-40

TOTAL RUBIA WORKS 1000 15W-40 is especially suitable for engines used in earthmoving activities (quarries, construction, mining...). Furthermore, it can be used also in on-road truck engines. This lubricant withstands very long working periods under severe conditions and high load, with dust and heat.

INTERNATIONAL STANDARDS

- ACEA: ACEA E7 ,ACEA E5
- API: API CI-4 ,API CH-4, API CF, API SL
- JASO: JASO DH-1

RECOMMENDATIONS

- DAIMLER: MB-Approval 228.3
- ALLISON: ALLISON TES 439
- CUMMINS: CES 20076, CES 20077, CES 20078
- MACK TRUCKS: MACK EO-N
- MAN: MAN M 3275-1
- MTU: MTU Oil Category 2
- RENAULT TRUCKS: Renault Trucks RLD-2
- VOLVO TRUCKS: Volvo VDS-3
- DEUTZ: DQC III-10

2 STROKE RANGE

The two-stroke engine oil is semi-synthetic and ensures optimum performance in the most extreme conditions.



NEPTUNA 2T SUPER SPORT

TOTAL NEPTUNA 2T SUPER SPORT is a semi-synthetic lubricant adapted to 2 strokes gasoline engines. It is adapted to all 2 strokes engines, including direct injection engines. The mixing with the fuel should be in accordance with the manufacturer's recommendations.

INTERNATIONAL STANDARDS

- API TC NMMA TC-W3®

REQUIREMENTS

JOHNSON, MARINER, MERCURY, SUZUKI, YAMAHA



NEPTUNA SPEEDER 10W-30

TOTAL NEPTUNA SPEEDER 10W-30 is a synthetic lubricant developed for new 4 strokes outboard emission[1]free gasoline engines running at high engine speed. It is particularly recommended for marine outboard applications.

According to the latest requirements of the NMMA (National Marine Manufacturers Association).

INTERNATIONAL STANDARDS

- API SL NMMA FC-W® - FC-31098U

REQUIREMENTS

BOMBARDIER, EVINRUDE, HONDA, JOHNSON, MERCURY, SEA-DOO, SUZUKI, YAMAHA



2 TZ

2 TZ oil for all type of two stroke gasoline engine - such as:

- mopeds and light-weight motorcycles
- used for mechanized farming (motor mower)

Adapted to 2 stroke motorcycle engines with independent lubricating system or premixing use. Premix with gasoline at the percentage recommended by the manufacturer.

INTERNATIONAL STANDARDS

- API TC
- JASO FB Level
- ISO-L-EGB Level



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