Rubia Works 5000 FE 5W-30

Diesel Engine Oil

KEY DATA

D033TOL622
DH-2
PRODUCT MEETING JASO M 355
COMPANY GUARANTEEING THIS PERFORMANCE:
TotalEnergies Lubrifiants

Fully Synthetic and "Low SAPS" diesel engine oil especially developed for earthmoving, mining and quarries machinery engines, providing Fuel Economy.

INTERNATIONAL STANDARDS

- ACEA E4, E6, E7, E8, E9, E11
- API CK-4/CJ-4/CI-4 Plus/CI-4/CH-4
- JASO DH-2

MANUFACTURER APPROVALS

- DEUTZ DQC IV-18 LA
- MTU Category 3.1
- MAN M 3677 / M 3777 / M3775
- DTFR 15C120 (228.52), DTFR 15C110 (228.51), DTFR 15C100 (228.31)
- VOLVO VDS-4.5
- MACK EOS 4.5
- RENAULT RLD-3
- CUMMINS CES 20086
- SCANIA LDF-4

MEETS THE REQUIREMENTS OF

- LIEBHERR LH-01 ENG LA / LH-01
- CATERPILLAR ECF-3/ECF-2/ECF-1a
- DAF
- DEUTZ TTCD

SUITABLE FOR

- IVECO FPT TLS E6
- MAN M 3477

Recommended in engines of equipment:

- BELL
- WIRTGEN
- VOGELE
- KOMATSU etc...

APPLICATIONS

Rubia Works 5000 FE 5W-30 is especially suitable for engines used in earthmoving activities (quarrying, construction, mining...) This lubricant withstands very long working periods under severe conditions and high load, with dust and heat.

Rubia Works 5000 FE 5W-30 is recommended for German engines meeting European standard EURO Stage V and American standard EPA Tier 4 final, requiring respectively ACEA E6 and API CK-4 / CJ-4 lubricants.

Furthermore, it is suitable for most road truck engines meeting Euro 6, recommended for SCANIA engines and those requiring a 5W-30 viscosity grade. It is also adapted to certain Gas engines.

Thanks to its "Low SAPS" (Low content of Sulphated Ash, Phosphorus and Sulphur) technology, Rubia Works 5000 FE 5W-30 is designed for the latest Diesel engines equipped with post-treatment systems, such as Diesel particulate filters (DPF).

PERFORMANCES & CUSTOMER BENEFITS

Rubia Works 5000 FE 5W-30 is formulated using fully synthetic technology base oil together with latest generation additives that provide enhanced piston cleanliness & lubrication performance allowing longer drain intervals with fuel economy benefits.

- Rubia Works 5000 FE 5W-30, thanks to its synthetic base oils together with a very efficient chemistry, exhibits excellent thermal stability ensuring efficient lubrication of hot engine pieces during long and severe working periods and also makes it easier cold starts.
- The advanced “Low SAPS” formulation Rubia Works 5000 FE 5W-30 helps to prevent the clogging of the Diesel particulate filter (DPF) and extends the post-treatment system durability.
- Furthermore, its formula has been developed to provide substantial Fuel Economy for the end user (up to 1.9% in certain earthmoving machinery).

CHARACTERISTICS*

PROPERTIES	UNIT	TEST METHOD	RESULT
Grade	-	SAE J300	SAE 5W-30
Density	kg/m^3	ASTM D4052	852
Kinematic viscosity at 40°C	mm²/s	ASTM D445	70.8
Kinematic viscosity at 100°C	mm²/s	ASTM D445	12.2
Viscosity index	-	ASTM D2270	171
Dynamic viscosity at -30°C	mPa.s	ASTM D5293	6075
Pour point	°C	ASTM D97	-36
Flash point	°C	ASTM D92	211
Total base number	mgKOH/g	ASTM D2896	13
Sulphated ash	% m/m	ASTM D874	<0.9

* The characteristics given above are obtained with a standard tolerance threshold during production and may not be considered specifications.

RECOMMENDATIONS FOR USE

Before using the product, the vehicle's maintenance guide should be checked. Oil changes should be carried out in accordance with the manufacturer's recommendations.

The product should not be stored at temperatures over 60°C. It should be kept away from sunlight, intense cold and extreme temperature fluctuations. If possible, the packaging should not be exposed to the elements. Otherwise, the drums should be laid horizontally in order to avoid any contamination from water and to prevent the product's label from rubbing off.

HEALTH, SAFETY AND THE ENVIRONMENT

Based on the toxicological information available, this product should not cause any adverse health effects, provided it is used for its intended purpose and in accordance with the recommendations laid out in the Safety Data Sheet (SDS).

This can be obtained on request from your local reseller and is available for consultation at https://ms-sds.totalenergies.com. This product should not be used for any purposes other than the ones for which it is intended.

TotalEnergies

Some variations can be expected under normal production conditions, but these should not affect the product’s expected performance irrespective of the site. The information contained in this document is subject to change without notice. Our products can be viewed on our website at www.lubricants.totalenergies.com.