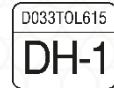


Rubia Works 1000 FE 10W-30

Diesel Engine Oil

KEY DATA



PRODUCT MEETING JASO M 355
COMPANY GUARANTEEING THIS PERFORMANCE:
TotalEnergies Lubrificants

High performance fuel economy engine oil with high-technology base oils specially formulated for construction, mining or quarry machinery engines and recent heavy duty trucks.

INTERNATIONAL STANDARDS

- ACEA E7
- API CI-4 / CH-4
- JASO DH-1

MANUFACTURER APPROVALS

- CUMMINS CES 20078
- DEUTZ DQC III-18
- MTU Category 2
- VOLVO VDS-3
- MACK EO-N
- MB-Approval 228.3
- RENAULT VI RLD-2

MEETS THE REQUIREMENTS OF

- CATERPILLAR ECF-2 / ECF-1-a
- MAN M3275

SUITABLE FOR

- KOMATSU, HITACHI, LIEBHERR, CASE NEW-HOLLAND, DEERE, JCB, KUBOTA, MITSUBISHI, PERKINS, DAF, SCANIA, IVECO...

APPLICATIONS

Rubia Works 1000 FE 10W-30 is especially suitable for engines used in earthmoving activities (quarries, construction and mining). This lubricant withstands severe conditions of use with high loads, dust and heat.

Rubia Works 1000 FE 10W-30 is particularly suitable where the API CI-4, ACEA E7 or JASO DH-1 diesel engine lubricant service classifications are required.

Rubia Works 1000 FE 10W-30 is recommended for engines meeting EURO Stage IIIA or US EPA Tier 3 Standards and for On-Road, EURO V (not equipped with the Diesel Particulate Filters) or US EPA-07, as well as previous standards.

PERFORMANCES & CUSTOMER BENEFITS

- 🔥 Rubia Works 1000 FE 10W-30 ensures efficient lubrication of hot engine parts, especially during severe and repeated work cycle. With its Fuel Economy technology, Rubia Works 1000 FE 10W-30 helps save on fuel cost and reduces CO2 emissions.
- 🔥 Its low Pour Point allows for engine starting with very low temperature. It is adapted for use in various brands and types of old or recent generation diesel engines, allowing oil inventory simplification.

CHARACTERISTICS*

TEST	UNIT	TEST METHOD	RESULT
Kinematic viscosity at 40°C	mm ² /s	ASTM D445	81.6
Kinematic viscosity at 100°C	mm ² /s	ASTM D445	12.2
Viscosity index	-	ASTM D2270	145
Pour point	°C	ASTM D97	-39
Flash Point	°C	ASTM D92	223
T.B.N	mg KOH/g	ASTM D2896	10.5

*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 Lubricants / Last update of this datasheet: January 23 / Rubia Works 1000 FE 10W-30

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.