




RUBIA WORKS 3000 10W-40



“Low SAPS” lubricant especially developed for earthmoving, mining and quarries machinery engines.

SPECIFICATIONS AND APPROVALS

International specifications	ACEA E6/E9/E7	API CJ-4/CI-4+/CI-4/CH-4	JASO DH-2
Manufacturers' approvals <ul style="list-style-type: none"> ✓ DEUTZ DQC IV-10 LA ✓ MTU Category 3.1 ✓ MAN M 3477 ✓ MB-Approval 228.51 ✓ VOLVO VDS-4 ✓ MACK EO-Premium Plus ✓ RENAULT VI RLD-3 	Meets the requirements of <ul style="list-style-type: none"> ✓ LIEBHERR LH-01 ENG LA ✓ CATERPILLAR ECF-3/ECF-2/ECF-1a ✓ CUMMINS CES 20081 ✓ IVECO FPT TLS E9 	 <small>PRODUCT MEETING JASO M 355 COMPANY GUARANTEEING THIS PERFORMANCE: TOTAL LUBRIFIANTS</small>	
	Recommended in engines of machinery <ul style="list-style-type: none"> ✓ BELL, ✓ WIRTGEN, ✓ VOGELE ✓ KOMATSU ✓ etc... 		

APPLICATIONS

TOTAL RUBIA WORKS 3000 10W-40 is especially suitable for **engines** used in **earthmoving activities** (quarrying, constructions, mining...)

This lubricant withstands **very long working periods** under severe conditions and high load, with dust and heat.

TOTAL RUBIA WORKS 3000 10W-40 is recommended for German engines meeting **European standard EURO Stage IV** and **American standard EPA Tier 4 final**, requiring respectively ACEA E6 and API CJ-4 lubricants. Furthermore, it is suitable for most road truck engines meeting Euro 6, excepted 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, TOTAL RUBIA WORKS 3000 10W-40 is designed for the latest Diesel engines equipped with **post-treatment systems**, such as Diesel particulate filters (DPF).

PERFORMANCES AND CUSTOMER BENEFITS

TOTAL RUBIA WORKS 3000 10W-40 exhibits **excellent thermal stability** ensuring efficient lubrication of hot engine pieces during severe and long working periods.

The product belongs to the new “very long drain interval” engine oil generation (for example : up to 1000 h in LIEBHERR engines).

The advanced **“low-SAPS”** formulation TOTAL RUBIA WORKS 3000 10W-40 helps prevent the clogging of the Diesel particulate filter (DPF) and extends the post-treatment system durability.

PHYSICAL AND CHEMICAL CHARACTERISTICS*

TOTAL RUBIA WORKS 3000 10W-40		Method	Value
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	97
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	14.3
Viscosity Index	-	ASTM D2270	160
Pour Point	°C	ASTM D97	-33
T.B.N	mgKOH/g	ASTM D2896	10
Sulphated Ash	% m/m	ASTM D874	<1.0

* The features mentioned above are average values obtained with some variability in production and do not constitute a specification.

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www.lubricants.total.com



This lubricant does not cause adverse health effects when used in the intended application.
A safety datasheet is accessible on request from your local dealer or on the website www.quickfds.com