



# RUBIA WORKS

## 2000 FE 10W-30



**TOTAL**

“Low SAPS technology” lubricant specially developed for Earth Moving or Construction machinery engines, with or without Diesel Particulates Filter.

### USES

« Public works » and Mining segment

All engines conform to TIER 1, 2, 3 and 4 interim Standards

- Particularly dedicated to the lubrication, throughout the year of engines used in Earth Moving activities like quarries, constructions, minings, etc...
- More generally, is recommended for engines working during long full load periods or under repetitive speeding up and idle phases, with dust and warm.
- Specially recommended for recent technology engines meeting the last EURO Phase IIIB or US EPA TIER 4 interim pollution Standards.
- Specifically developed for Japanese, American and European engines.

### PERFORMANCES

#### Classifications



PRODUCT MEETING JASO M 355  
COMPANY GUARANTEEING THIS PERFORMANCE:  
TOTAL LUBRIFIANTS

#### OEMs approvals

Conform to the specifications

Suitable in engines

JASO	:	DH-2 (Approval D033TOL604)
ACEA	:	E9 / E7 (E5)
API	:	CJ-4 / CI-4 plus / CI-4 / SM
DAIMLER	:	MB-Approval 228.31
DEUTZ	:	DQC III-LA-10
VOLVO	:	VDS-4
MAN	:	M 3575
MTU	:	Catégorie 2.1
CUMMINS	:	CES 20081
RENAULT	:	RLD-3
CATERPILLAR	:	ECF-3 / ECF-2 / ECF-1a
KOMATSU	:	EO-DH
HITACHI, ISUZU, MITSUBISHI, DEERE, PERKINS, CASE NEW-HOLLAND, LIEBHERR, JCB, etc...		

### CUSTOMER ADVANTAGES

Total security  
All post-treatment systems  
Fuel economy  
All engines compatible

- High thermal stability ensuring a very good lubrication of hot engine pieces, especially during severe and long working periods.
- Its “Low SAPS” formulation is adapted to all exhaust gaz post-treatment systems and particularly improves the durability of the Diesel Particulate Filters
- Specific formulation which enables fuel savings.
- Suitable in all engine brands and types of old or recent technology

### CHARACTERISTICS

RUBIA WORKS 2000 FE	Units	10W-30
Kinematic Viscosity at 40 °C	mm <sup>2</sup> /s (cSt)	80
Kinematic Viscosity at 100 °C	mm <sup>2</sup> /s (cSt)	11.9
Ash content	%	0.9
TBN	mg KOH/g	9.6

The typical characteristics mentioned represent mean values

TOTAL LUBRIFIANTS  
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92029 NANTERRE  
FRANCE

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This lubricant, when used according to our recommendations and for the purpose for which it is intended, presents no particular hazard. A safety data sheet complying with current EC legislation can be obtained from your local sales representative.