



RUBIA WORKS 1000 15W-40



TOTAL

Very high performance specific multigrade lubricant dedicated to aspirated and turbocharged engines of Earth Moving or Construction machinery from worldwide origins.

USES

« **Public works** »
segment

All engines conform to
TIER 1, TIER 2 and TIER 3
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 IIIa or US EPA TIER 3 pollution standards.
- Specially developed for Japanese but also for American and European engines.

PERFORMANCES

Classifications



OEMs approvals

Conform to the specifications

Suitable in engines

JASO : DH-1 (Approved N° D033TOL601)
ACEA : E7 (E5)
API : CI-4 / CH-4 / CF / SL

MERCEDES-BENZ : MB-Approval 228.3
DEUTZ : DQC III-05
MAN : M 3275-1
MTU : Catégorie 2
CUMMINS : CES 20078 / 20077 / 20076
VOLVO : VDS-3
RENAULT : RLD-2

CATERPILLAR : ECF-2 / ECF-1a
KOMATSU : EO-DH

HITACHI, ISUZU, MITSUBISHI, DEERE, PERKINS, CASE NEW-HOLLAND
LIEBHERR, JCB, KUBOTA, etc...

CUSTOMER ADVANTAGES

Total security

Long drain interval

Simplification of the engines lubrication

- High thermal stability ensuring a very good lubrication of hot engine pieces, especially during severe and long working periods.
- Reinforced dispersivity, detergency and anti-wear powers for resisting against all attacks occurring to the engine during a long oil drain interval : dust, soots, water, gazole, combustion acid, etc...
- Suitable in all engine brands and types of old or recent technology

CHARACTERISTICS

RUBIA WORKS 1000	Unit	15W-40
Kinematic Viscosity at 40 °C	mm ² /s (cSt)	103
Kinematic Viscosity at 100 °C	mm ² /s (cSt)	14.0
Viscosity Index		141
TBN	mg KOH/g	11.0

The typical characteristics mentioned represent mean values

TOTAL LUBRIFIANTS
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Sheet updated 06/2011



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.