

ERTOIL MULTIRRUTA T.D. SHPD 15W40

DESCRIPTION



Mineral multi-grade lubricant, suitable for use in high-performance heavy diesel vehicles with a very severe service. Specially for public works because of its "Basic Extend Drain" concept.

Applications

- For diesel engines in light industrial vehicles (vans) and medium and heavy vehicles (TIR, tractors, buses).
- Specially for powerful public works and mining machinery, which, because of their highly contaminated atmosphere, need a high protection lubricant and a normal oil-changing interval.
- For urban vehicles where limiting the production of contaminating emissions is required
- Suitable for vehicles with emission control without a particulate filter (DPF) incorporated.

Performance

- High performance for "low emission" diesel engines when they are working with low-sulphur petrol (<0.05%).
- Necessary for some types of engines which require high "deaeration" control (HEUI Test) for their fuel injection systems.
- High price/quality ratio. It is ideal for urban services and public works, with normal oil-changing intervals.
- Oil suitable for new generation engines, with piston designs which produce high temperatures in the "fire segment", because of its low ash additivation and very high dispersance.

SPECIFICATIONS

- ACEA E2
- MB 228.1
- VOLVO VDS

- MTU Type 1
- CUMMINS CES 20076/20071
- CATERPILLAR ECF-1a

- MAN 271
- MACK EO-M

TYPICAL CHARACTERISTICS

CHARACTERISTICS	UNITS	METHOD	ERTOIL MULTIRRUTA T.D. SHPD
SAE Grade		---	15W-40
Density at 15°	Kg/l	ASTM D-4052	0,887
Flash point	°C	ASTM D-92	>210
Pour point	°C	ASTM D-5949	-30
Viscosity at 100°C	cSt	ASTM D-445	13,91
Viscosity at 40°C	cSt	ASTM D-445	102
Viscosity index	-	ASTM D-2270	138
CCS viscosity at -20°C	cP	ASTM D-5293	4725
Base number	mgKOH/g	ASTM D-2896	10,2
Sulphated Ash	%(w/w)	ASTM D-874	1,05

HEALTH & SAFETY and ENVIRONMENT

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.

The typical values of the characteristics appearing in the table are average values given for guidance purposes. These values may be modified without any prior warning.