

ERTOIL MULTIRRUTA T.D. SHPD 15W40

DESCRIPTION



Mineral multi-grade lubricant oils, 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

- Specially indicated for all types of machinery which require a modern API CH-4 type lubricant.
- 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 (EURO).

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 E2-96 issue 5	• API CH-4	• MAN 271
• MB 228.1	• MTU Type 1	• MACK EO-M
• VOLVO VDS	• CUMMINS CES 20076/20071	• CATERPILLAR ECF-1
• CAT TO-2	• ZF TE-ML 04C/07C	• ALLISON C4

TYPICAL CHARACTERISTICS

CHARACTERISTICS	ASTM STANDARD	ERTOIL MULTIRRUTA T.D. SHPD
SAE Grade	---	15W-40
Density 15°C, g/cc	D-4052	0.888
Pour point, °C	D-97	-27
Viscosity at 100°C, cSt	D-445	14.45
Viscosity at 40°C, cSt	D-445	108
Viscosity index	D-2270	136
CCS viscosity at -20°C (cP)	D-5293	<7000
Base number, mgKOH/g	D-2896	9.2
Sulphated ash, %(m/m)	D-874	1.18

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.