



## Monograde lubricant for Diesel engines

UTILISATION	<ul><li>machines, trucks, locomotives.</li><li>Suitable for all Diesel stationary</li><li>Also suitable for gear boxe</li></ul>	Suitable for all turbocharged or normally aspirated Diesel engines of civil works machines, trucks, locomotives. Suitable for all Diesel stationary engines (energy production). Also suitable for gear boxes, torque converters, hydraulic systems when the manufacturer requires an engine oil with an appropriate grade for these applications.		
PERFORMANCES				
Specifications	ACEA API	E2 CF/SF		
OEMs approvals	DAIMLER CHRYSLER MAN CATERPILLAR ZF MIL-L	MB page 228.0 270 TO-2 TE-ML 03B 2104 E		
CUSTOMER BENEFITS				
Technical performances	<ul> <li>Monograde</li> <li>High viscosity index</li> <li>High stability in operation</li> </ul>			

- Exceptional detergency level
- Very high dispersancy level
- Excellent antiwear and anticorrosion properties
- Excellent antioxydant, antirust and antifoaming properties

CHARACTERISTICS	Units	SAE Grade 10W
Volumetric mass at 15°C	kg/m <sup>3</sup>	881
Viscosity at 100°C	mm²/s	5.8
Viscosity index	-	100
Flash point	°C	>200
Pour point	°C	-33
T.B.N	mgKOH/g	11.2

The typical characteristics mentioned represent mean values.

TOTAL LUBRIFIANTS 16, rue de la République F-92800 PUTEAUX RUBIA S 10W February 2005 N° MPR/02/05



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