

# DIESEL SERIE 3

## 30, 40 & 50

AUTOMOTIVE

Lubricants



### Description

Monograde mineral lubricant oil with great detergent power. Specially recommended for public works machinery and stationary engines.

Also suitable for use in aspirated and slightly supercharged diesel engines working in moderate or severe conditions with frequent drainage periods.

### Properties

- Its high detergency eliminates the products produced by the combustion of the hottest parts of the engine. It keeps the segment shafts clean and ensures perfect watertightness.
- Conservation and prolongation of engine life.
- Its alkaline reserve (TBN) enables it to protect the engine against corrosion by neutralizing the acids formed in the combustion of diesel with different sulphur contents.
- It maintains an adequate pressure in all working conditions.
- Good anti-wear properties, which leads to minimal wear in engine parts; the latter maintains its maximum power for a long time.

### Quality Levels

- API CF/SF
- MB 228.0
- MTU Type 1
- ACEA E2
- MAN 270
- CATERPILLAR TO2
- ALLISON C3

### Technical specifications

	UNIT	METHOD	VALUE		
SAE Grade			30	40	50
Density at 15 °C	g/mL	ASTM D 4052	0.894	0.903	0.903
Viscosity at 100 °C	cSt	ASTM D 445	11.8	14.9	19.3
Viscosity at 40 °C	cSt	ASTM D 445	105	148	218
Viscosity index	-	ASTM D 2270	100	100	100
Flash point, open cup	°C	ASTM D 92	215 min.	225 min.	225 min.
Pour point	°C	ASTM D 97	-24	-21	-18
T.B.N.	mg KOH/g	ASTM D 2896	12	12	12
Sulphated ashes	% in weight	ASTM D 874	1.5	1.5	1.5

A safety information file is available on request.

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Technical data sheet for Lubricants. Revision 6. March 2014