

# SERIE 3 ESPECIAL FC 40 N

AUTOMOTIVE



## Lubricants

### Description

Zinc-free mineral lubricant oil, specially designed for use in diesel engines equipped with silver bearings, such as those used in locomotives and stationary generators.

### Properties

- It meets the same demands as a Serie 3 type lubricant though it also prevents damage in bearings whose alloy contains silver.
- Its additivation ensures thorough cleaning of internal engine parts, especially the area of piston segments, thus preventing abrasive wear and prolonging engine life.
- Suitable alkaline reserve (TBN) for use of all kinds of diesels.
- Modern technology oil belonging to 5th generation.

### Quality Levels

- EMD SD-60
- GE B30-7A
- API CF-2/CF

### Technical specifications

	UNIT	METHOD	VALUE
SAE GRADE			40
Density at 15 °C	g/mL	ASTM D 4052	0.898
Viscosity at 100 °C	cSt	ASTM D 445	14.6
Viscosity at 40 °C	cSt	ASTM D 445	146
Viscosity index	-	ASTM D 2270	95 mín.
Flash point, open cup	°C	ASTM D 92	220 mín.
Pour point	°C	ASTM D 97	-18
T. B. N.	mg KOH/g	ASTM D 2896	13.0
Sulphated ashes	% in weight	ASTM D 874	1.2
Zinc	ppm	ASTM D 4951	10 max.

A safety information file is available on request.

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Technical data sheet for Lubricants. Revision 3. December 2009.