

# 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, approvals and recommendations

- GE Generation 4 Long Life\*
- Electro-Motive Diesel (EMD)\*
- LMOA Generation 5 SAE 40 grade
- API CF-2/CF
- EMD SD-60
- GE B30-7A

\* Formal approval

## 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 mln.
Flash point, open cup	°C	ASTM D 92	220 mln.
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.

The above mentioned characteristics are typical values and should not be considered product specifications.

A safety information file is available on request.

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