



eni LDA 4013

eni LDA 4013 is a lubricant for high-output locomotive, formulated from a high Viscosity-Index and low pour-point paraffinic base stock. eni LDA 4013 is treated with a high percentage of additives to impart outstanding detergent, dispersant, antioxidant, anticorrosion, antiwear and antifoam properties.

CHARACTERISTICS (TYPICAL FIGURES)

eni LDA 4013

SAE Grade		40
Viscosity at 100°C	mm ² /s	14.6
Viscosity at 40°C	mm ² /s	141
Viscosity Index	-	102
TBN	mgKOH/g	14
Flash Point COC	°C	250
Pour Point	°C	-12
Zinc content	ppm	<10
Mass density at 15°C	kg/l	0.890

PROPERTIES AND PERFORMANCE

- eni LDA 4013 has excellent detergent-dispersant properties which minimize lacquers formation and prevent sludge deposits, by keeping insoluble particles in suspension.
- It is markedly resistant to deterioration, especially that caused by oxidation due to prolonged high-temperature operation in the presence of air and other agents.
- eni LDA 4013 has very good anticorrosion properties which protect the engine from corrosion caused by combustion moisture and acids.
- Its antiwear properties ensure long life of moving parts and noticeably reduce the need for engine services and repairs.
- Its antifoam properties prevent the formation of air bubbles which could adversely affect lubricant film continuity.
- eni LDA 4013 does not corrode silver metal bearings.

APPLICATIONS

eni LDA 4013 is suitable for lubricating high-output diesel locomotives operating under very severe duty. In particular, eni LDA 4013 can be employed in all General Electric "Standard Export" locomotives even when the sulphur content of the diesel fuel exceeds 0.5%, permitting less frequent oil changes, longer filter life and ensuring superior protection against deposits and wear.

SPECIFICATIONS

eni LDA 4013 meets the requirements of the following specifications:

- General Motors - Electromotive Division - M.I. 1761
- General Electric GEK 61435 "Extra Performance"

eni LDA 4013



Disclaimer Clause:

ITALCO reserves the right to vary the specifications, claim and any of the information documented in this datasheet without prior notice. The information contained in this document is for general information purposes only. ITALCO makes no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information contained on the datasheet.