

## DESCRIPTION

"Zinc and chlorine free" engine lubricant non-corrosive to silver alloy metals.

## APPLICATIONS

- Diesel engines built by the Electro Motive Division (EMD) of General Motors running on Gas Oil.

## PROPERTIES

- API service : CF.
- No corrosive to silver metals.
- Excellent detergent properties at high temperatures.
- Good dispersant properties.
- Very high anti-wear protection.

## APPROVALS

E.M.D. (Electro Motive Division of General Motors)

## CHARACTERISTICS

CHARACTERISTICS	METHODS	UNITS	DISAL CF 113 F
S.A.E. Grade			40
Kinematic viscosity at 40 °C	ISO 3104	mm <sup>2</sup> /s	154
Kinematic viscosity at 100 °C	ISO 3104	mm <sup>2</sup> /s	15.3
Flash Point (COC)	ASTM D 92	°C	> 220
Pour Point	ISO 3016	°C	- 9
BN	ASTM D 2896	mgKOH/g	13
Zinc content		ppm	< 10

Characteristics of this chart are indicative typical values

## *HANDLING, HEALTH AND SAFETY*

Lubricants consisting of highly refined mineral oils with specific additives.

In normal conditions of use, these lubricants present no particular toxic hazard.

All lubricants, of any kind, should always be handled with great care, particularly avoiding any contact with the skin.

Prevent any risk of splashing, and keep away from combustible materials.

Store under cover and away from any risk of contamination.

A safety data sheet complying with current legislation is available on [www. quickfds.com](http://www.quickfds.com) or [www.lubmarine.com](http://www.lubmarine.com).

The values shown above are typical values at the date of publication. TOTAL Lubmarine reserves the right to change these typical values without prior notice.



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