

## JICHUAN MARINER ENGINE OIL

### ZINC FREE ELECTRO-MOTIVE DIESEL ENGINE OIL

#### PRODUCT DESCRIPTION:

JICHUAN ELECTRO-MOTIVE DIESEL RAILROAD/MARINE OIL is made from highest quality solvent hydrotreated base oils. This selected base oil prevents hard carbon formation in the ring belt area. Product contains detergent-dispersant, non-zinc anti-wear additive, oxidation, corrosion and foam inhibitors. High TBN effectively neutralizes acids where high sulfur fuels are used. Suitable for medium-speed 2-stroke and 4-stroke diesel engines in railroad, marine, and stationery power applications.

#### TYPICAL USES:

- Approved for use in EMD (Electro-Motive Division-GMC) where zinc free oils must be used for the protection of silver insert bearings.
- Also recommended for use in General Electric U.S. engines.
- Meets and exceeds API service classification CF. Besides main propulsion engine, this new and improved oil can now be used in such auxiliary engines as Caterpillar, Detroit Diesel and Cummins.
- Recommended for two-stroke and four-stroke medium speed marine diesel engines.

#### FEATURES:

- Zinc free
- Base oil prevents hard carbon deposits forming in ring belt area
- High TBN protects against corrosive wear when using high sulfur diesel fuels. (Outstanding alkalinity retention.)
- Protects silver bearings
- Superior oxidation stability protects oil against thickening in service
- High dispersancy - keeps critical engine parts clean and extends filter life.
- Reduced inventory due to quality and versatility

#### TYPICAL INSPECTIONS

<b>GRADE,SAE</b>	<b>40</b>
GRAVITY,°API	26.8
VISCOSITY:	
cSt@40°C.	142
cSt@100°C.	14.7
VISCOSITY INDEX	103

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# Shanghai Jichuan Trading

POURPOINT,°F.	+10
FLASHPOINT,°F.-C.O.C.	480
TOTAL BASE NUMBER-ASTM D-2896	17.0
SULFATEDASH,WT. %	2.0
ZINC,ppm	<10
CALCIUM,%WT.	0.59
CHLORINE,%WT.	Not Present

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY

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