

# Product Data Sheet

## HIPRO MEROL-70

Premium 70BN Marine Diesel Cylinder Lubricant

### PRODUCT FEATURES

Merol-70 is a high performance 70BN SAE 50 cylinder lubricant intended for lubricating low-speed engines at very high mechanical and thermal loads. It has been developed specifically for high pressure and high temperature applications. It is blended from highly refined base oils, and latest advance technology additive system to provide superior ring and liner wear protection and excellent piston cleanliness in slow-speed crosshead engines.

### APPLICATIONS

Recommended for lubricating the cylinders of all large slow-speed marine diesel engines operating at high specific power outputs and high thermal loads. Also suitable for the lubrication of stem tube, deck machinery and other ancillary equipments.

### SPECIAL PROPERTISE

- ◆ Wear Protection: Ensure protection against excessive cylinder liner and piston ring wear.
- ◆ Excellent Lubrication Properties: Maintain an oil film under severe, high load conditions, thereby reducing frictional wear and preventing scuffing of liners, pistons and rings.
- ◆ Detergent & Dispersant Properties: Prevents ring sticking and minimizes deposit formation throughout the combustion chamber exhaust areas.
- ◆ Optimum level of alkalinity reserve provides effective neutralization of acidic combustion products.

### PERFORMANCE CLAIMS

- ◆ API CF

### TYPICAL SPECIFICATION

PROPERTY	UNIT	TEST METHOD	SAE 50
			SPECIFICATIONS
Density at 15 deg C	Kg/l	ASTM D4052	0.898
Viscosity at 100 deg C	cSt	ASTM D445	17.5 – 19.5
Viscosity Index		ASTM D 2270	104
Flash Point COC	deg C	ASTM D 92	240
Pour Point	deg C	ASTM D 97	-9
Total Base Number	mg KOH/g	ASTM D 2896	70

\* The above specifications are typical of current production, variation in these characteristics may occur, but will not affect the product performance.

**CAUTION:** Continuous contact with used oil has caused skin cancer in lab animals. Avoid prolonged skin contact. Avoid eye contact. Wash skin thoroughly with soap and water after handling. Flush eyes with water for 15 minutes in case of contact. If swallowed, do not induce vomiting. Contact a physician immediately. **KEEP OUT OF REACH OF CHILDREN.**