

QATOL MANTA RAY MDCL 70

Marine Cylinder Oil specially designed for the latest range of modern Low Speed 2-stroke Marine Diesel Engines using High Sulphur Heavy Fuel Oil (HFO)



PRODUCT DESCRIPTION:

QATOL MANTA RAY MDCL 70 is a superior quality Marine Cylinder Lubricant (MCL) designed for modern low speed crosshead diesel engines operating on residual fuels having Sulphur content in excess of 1%. This oil is specially developed for diesel engines operating with higher pressures & temperatures and longer strokes. This oil is available in SAE 50 viscosity grade with a BN (Base Number) of 70. This oil possesses outstanding acid neutralizing capability and provides excellent engine cleanliness and durability.

APPLICATION:

QATOL MANTA RAY MDCL 70 is recommended for cylinder lubrication of the latest, highly rated low speed crosshead marine diesel engines operating on residual fuels with Sulphur contents in excess of 1%.

- The feed rates recommended by the manufacturer should be maintained as the minimum. Higher feed rates may be required during running-in.

ADVANTAGES/BENEFITS:

• Wear Protection:

Ensures protection against excessive cylinder liner and piston ring wear resulting from the use of high Sulphur containing heavy fuel oils, thus allowing prolonged service intervals.

• Detergent-Dispersant Properties:

Prevents ring sticking and minimizes deposit formation throughout the combustion chamber exhaust areas.

• Excellent Lubrication Properties:

Maintains an oil film under varying conditions, thereby reducing frictional wear and preventing scuffing of liners, pistons and rings.

- **Storage Stability:**

Stable at ambient temperatures and during long-term storage.

- **Compatibility:**

Miscible and compatible with single-phase alkaline diesel cylinder lubricants generally known to the international marine trade.

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 15 °C	ASTM D 4052	0.93	g/ml
Kinematic Viscosity @ 100 °C	ASTM D 445	19.9	mm ² /s
Viscosity Index	ASTM D 2270	98	-
Flash point	ASTM D 92	246	°C
TBN	ASTM D 2896	70	mg KOH/g
Pour Point	ASTM D 97	-15	°C

AVAILABLE PACKAGES: 208L, 25L, 20L,