



## UNITED UNIMAR TBN 40 (MDCL)

### Product Description:

United Unimar TBN 40 (MDCL) marine lubricant is formulated to lubricate low-speed crosshead cylinder diesel propulsion engines. United Unimar TBN 40 (MDCL) is suitable for use in engines burning residual heavy fuels with a sulfur content of 0.5% sulfur.

United Unimar TBN 40 (MDCL) contains a balanced additive composition used in conjunction with highly refined base oils to produce a product which imparts useful performance characteristics such as high load carrying capacity, good detergency and dispersancy properties, excellent rust and corrosion protection for all engine parts and strong alkalinity reserve to neutralize acids formed during combustion.

United Unimar TBN 40 (MDCL) is compatible with all low-speed cylinder engine marine lubricants sold in the market.

### Applications / Benefits:

- ▣ Rust and oxidation protection.
- ▣ Strong acid neutralizing properties.
- ▣ Outstanding water-shedding properties.
- ▣ Compatible with other competitive lubricants.

### Typical Characteristics:

Test Description	Method	540
SAE Viscosity Grade	SAE J 300	50
Specific Gravity @ 15 °C	ASTM D 4052	0.917
Flash Point, °C	ASTM D 92	250
Pour Point, °C	ASTM D 97	-6
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	216
cSt @ 100°C	ASTM D 445	19.2
Viscosity Index	ASTM D 2270	100
TBN, mgKOH/g	ASTM D 2896	40
Color	ASTM D 1500	<5.5