



UNITED UNIMAR TBN 5

Product Description:

United Unimar TBN 5 lubricant is a premium crankcase system oil for especially suitable for large-scale, low-speed marine and stationary diesel engine crankcase system. United Unimar TBN 5 is specifically suitable for lubricating gear transmissions, turbo chargers as well as oil lubricated stern tubes.

United Unimar TBN 5 lubricant contains 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 and outstanding anti-oxidation properties for all engine parts and ship borne machineries.

United Unimar TBN 5 is compatible with all major auxiliary engine marine lubricants and can be used for all stationary shipboard auxiliary equipment.

Applications / Benefits:

- ▣ High load carrying capacity.
- ▣ Rust and oxidation protection.
- ▣ Outstanding anti-oxidation properties.
- ▣ Compatible with other competitive lubricants.

Typical Characteristics:

| Test Description | Method | 305 | 405 | 505 |
|---------------------------------|-------------|-------|-------|-------|
| SAE Viscosity Grade | SAE J 300 | 30 | 40 | 50 |
| Specific Gravity @ 15 °C | ASTM D 4052 | 0.894 | 0.898 | 0.901 |
| Flash Point, °C | ASTM D 92 | 230 | 240 | 250 |
| Pour Point, °C | ASTM D 97 | -9 | -9 | -9 |
| Kinematic Viscosity, cSt @ 40°C | ASTM D 445 | 102.6 | 145.5 | 202.9 |
| cSt @ 100°C | ASTM D 445 | 11.46 | 14.42 | 17.95 |
| Viscosity Index | ASTM D 2270 | 98 | 97 | 96 |
| TBN, mgKOH/g | ASTM D 2896 | 5.0 | 5.0 | 5.0 |
| Color | ASTM D 1500 | <3.5 | <3.5 | <3.5 |