



# PRODUCT DATA SHEET



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## MARINE HIGH PERFORMANCE GEAR OIL

**Marine High Performance Gear Oil** is a high performance gear oil engineered specifically for marine applications. It utilizes synthetic Extreme Pressure and anti-wear additives to provide maximum gear and bearing protection under the severe conditions of high load, high speed and water contamination and is fortified with rust, corrosion, oxidation and foam inhibitors. **Marine High Performance Gear Oil** maintains maximum Extreme Pressure and anti-wear performance even when contaminated with up to 25% water. **Marine High Performance Gear Oil** meets or exceeds the requirements of all major marine gear drive OEMs

### *Applications*

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- ◆ Recommended for Outboard lower units, Sterndrives, V-Drives, Bow & tunnel thrusters and Marine Transmissions

### *Features and Benefits*

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| ◆ Excellent Extreme Pressure properties          | Prevents excessive wear under high- or shock load conditions.  |
| ◆ Protects against rust                          | Separates readily from water, providing protection against rust and corrosion of ferrous and nonferrous parts. |
| ◆ Resists oxidation                              | Reduces sludge build-up under high operating temperature.  |
| ◆ Excellent anti-wear properties                 | Extends equipment life, longer life of gears and bearings, reduces maintenance costs.                          |
| ◆ Excellent performance in the presence of water | Provides protection under wet conditions.  |

### *General Description*

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**Marine High Performance Gear Oil** is a high performance gear oil formulated with highly refined, high Viscosity Index paraffinic base oils for the marine environment. **Marine High Performance Gear Oil** is fortified with synthetic Extreme Pressure and anti-wear additives, rust, corrosion, oxidation and foam inhibitors that provide for extended gear and bearing life.

### *Product No. 300927*

# MARINE HIGH PERFORMANCE GEAR OIL

## TYPICAL PROPERTIES

<b><u>Product No.</u></b>	<b><u>300927</u></b>
<b><u>Old Product No.</u></b>	<b><u>99735</u></b>
ISO Viscosity Grade	150
SAE Gear Oil Grade	85W-90
Viscosity, ASTM D445	
@ 40°C, cSt	152
@ 100°C, cSt	14.7
Viscosity, ASTM D2161	
@ 100°F, SUS	799
@ 210°F, SUS	78.5
Viscosity Index, ASTM D2270	95
Copper Strip Corrosion, ASTM D130, 3 hrs @ 100°C, rating	1b
Pour Point, ASTM D97, °C (°F)	-15 (5)
Rust Test, ASTM D665, Procedure A & B	Pass
Total Acid Number, ASTM D664, mg KOH/g	1.08
Falex EP Test, ASTM D3233 Method B	
Dry, Non-seizure Load, lbf	3500
Wet (plus 25 % water), Non-seizure Load, lbf	3500
4-Ball EP Test, ASTM D2783	
Weld Load, kg	315
Load Wear Index, kg	65
4-Ball Wear Test, ASTM D4172, @ 1200 rpm, 40 kg, 1 hr, 75°C	
Scar diameter, mm	0.50
Timken EP Test, ASTM D2782	
OK Load, kg (lb)	40.8 (90)
Aniline Point, ASTM D611, °C (°F)	122 (252)
Flash Point, ASTM D92, °C (°F)	221 (430)
Fire Point, ASTM D92, °C (°F)	249 (480)
Specific Gravity, ASTM D1298, 60/60°F	0.892
Color	Dark Blue-Green