



# PRODUCT DATA SHEET



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## MARINE MINERAL GEAR OIL

**Marine Mineral Gear Oil** is a high performance mineral gear oil engineered specifically for marine applications. It utilizes 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 Mineral Gear Oil** maintains maximum Extreme Pressure and anti-wear performance even when contaminated with up to 25% water. **Marine Mineral Gear Oil** meets or exceeds the requirements of all major marine gear drive OEMs

### *Applications*

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- ◆ Recommended for all fresh and salt water outboard and Stern drive units

### *Features and Benefits*

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| ◆ Extreme pressure and anti-wear properties      | Reduces friction and extends equipment life.                                     |
| ◆ Excellent performance in the presence of water | Provides wear protection under wet conditions.                                   |
| ◆ Protects against rust                          | Provides the maximum rust and corrosion protection in harsh marine environments. |
| ◆ Resists oxidation                              | Reduces sludge build-up under high operating temperature.                        |

### *General Description*

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**Marine Mineral Gear Oil** is a high performance mineral gear oil formulated for the marine environment. **Marine Mineral Gear Oil** is fortified with Extreme Pressure and anti-wear additives, rust, corrosion, oxidation and foam inhibitors that provide for extended gear and bearing life.

### *Product No. 99735*

# MARINE MINERAL GEAR OIL

## TYPICAL PROPERTIES

<b><u>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