



PRODUCT DATA SHEET



MARINE SEMI-SYNTHETIC GEAR OIL

Marine Semi-Synthetic Gear Oil is a high performance, synthetic blend, gear oil engineered specifically for marine applications. It is formulated utilizing the most advanced Extreme Pressure additives, delivering superior protection for high torque/high horsepower marine engines. **Marine Semi-Synthetic Gear Oil** is GL-5 rated to provide maximum protection under Extreme Pressure and exceeds the requirements of all major OEM marine engine manufacturers. It has been formulated without hazardous chemicals, like Antimony, that could harm the marine environment, making **Marine Semi-Synthetic Gear Oil** safer to handle and easy to dispose of after use.

Applications

- ◆ Recommended for all outboard and stern drives units, fresh and salt water applications requiring GL-4 or GL-5 performance standards.

Features and Benefits

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| ◆ Excellent Anti-wear properties | Extends equipment life, longer life for gears and bearings in extreme conditions as high-speeds high-horse power applications. |
| ◆ Excellent Performance in presence of water | Superior Extreme Pressure and Corrosion lubrication under wet conditions. Maintains maximum protection even when contaminated with up to 25% of water. |
| ◆ Excellent Extreme Pressure properties | Delivers ultimate film strength providing gear protection to prevent excessive wear under high or shock load conditions encountered with harsh engagement, power reversal and propeller entanglement. |
| ◆ Superior Micro-pitting protection | The Extreme pressure additive system provides maximum protection against micro-pitting fatigue wear. |

General Description

Marine Semi-Synthetic Gear Oil is a high performance gear lubricant; formulated with the highly refined full Synthetic and Mineral base fluids. It is incomparable and proprietary Extreme Pressure additive system delivers superior protection against wear, micro-pitting, rust, corrosion, oxidation and water intrusion. **Marine Semi-Synthetic Gear Oil** is also an Eco-friendly and safe product such does not contain any hazardous chemicals. **Marine Semi-Synthetic Gear Oil** is a GL-5 performance rated and meets all major OEM manufactures requirements.

Product: 99740

MARINE SEMI-SYNTHETIC GEAR OIL

TYPICAL PROPERTIES

<u>Product No.</u>	<u>99740</u>
ISO Viscosity Grade	150
Viscosity, ASTM D445	
@ 40°C, cSt	149
@ 100°C, cSt	15.3
Viscosity, ASTM D2161	
@ 100°F, SUS	689
@ 210°F, SUS	79.2
Viscosity Index, ASTM D2270	104
Copper Strip Corrosion, ASTM D130, 3 hrs @ 100°C, rating	1b
Pour Point, ASTM D97, °C (°F)	-28 (-18)
Rust Test, ASTM D665, Procedure A & B	Pass
Falex EP Test, ASTM D3233 Method B	
Dry, Non-seizure Load, lbf	3750
Wet (plus 25 % water), Non-seizure Load, lbf	4000
4-Ball EP Test, ASTM D2783	
Weld Load, kg	315
Load Wear Index, kg	58
4-Ball Wear Test, ASTM D4172, @ 1200 rpm, 40 kg, 1 hr, 75°C	
Scar diameter, mm	0.40
Timken EP Test, ASTM D2782	
OK Load, kg (lb)	45.4 (100)
Flash Point, ASTM D92, °C (°F)	221 (430)
Specific Gravity, ASTM D1298, 60/60°F	0.9027
Color	Dark Blue