



The First in Synthetics®

Universal Synthetic Marine Gear Lube

75W/80W-90 (AGM)

**High Performance Lubricant
Engineered to Meet the
Demands of Marine Applications**



Product Description

AMSOIL Universal Synthetic Marine Gear Lube is an exclusive AMSOIL formulation of synthetic base oils and high performance additives that address the specific concerns of marine applications. It is extreme pressure (EP) additive fortified for superior protection of fast accelerating, high torque/horsepower engines. It protects against shock loading from cavitation of heavily loaded engines.

AMSOIL Universal Synthetic Marine Gear Lube is water resistant. It maintains extreme pressure protection even when contaminated with as much as 10% water. It promotes longer seal life, preventing excessive water leakage. AMSOIL Universal Synthetic Marine Gear Lube prevents rust and is compatible with aluminum, copper and brass alloys.

Applications

AMSOIL Universal Synthetic Marine Gear Lube is recommended for fresh and salt water applications requiring either 75W-90 or 80W-90 viscosity grade and meeting either API GL-4 or GL-5 performance standards.

Examples of AMSOIL Universal Synthetic Marine Gear Lube applications include: **Outboard lower units:** Mercury/Mariner, Johnson/Evinrude, Bombardier, Honda, Yamaha, Suzuki, Force/US Marine, Nissan, Tohatsu, Harbormaster Marine Outboard Drives, Sears Gamefisher and Seagull. **Sterndrives:** Mercruiser-Bravo, OMC/Bombardier, Volvo-Penta, Yanmar, Konrad, Marine Drive Systems. **V-Drives:** Casale & Menkens. **Bow & tunnel thrusters:** Harbormaster Marine. **Marine Transmissions:** ZF Marine Transmission

AMSOIL Universal Synthetic Marine Gear Lube provides:

- **Excellent Gear and Bearing Protection even when contaminated with 10% water**
- **Reduced Friction and Wear**
- **Rust and Corrosion Protection**
- **Long Seal Life**
- **Superior Foam Prevention**



TYPICAL TECHNICAL PROPERTIES

AMSOIL Universal Synthetic Marine Gear Lube 75W/80W-90 (AGM)

SAE 75W / 80W-90 (AGM)

Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	14.7
Kinematic Viscosity @ 40°C, cst (ASTM D-445)	116.0
Viscosity Index	130
Flash Point, °C (°F) (ASTM D-92) 150°C Min.	216 (420.8)
Pour Point, °C (°F) (ASTM D-97)	-43 (-45)
Falex Procedure B (ASTM D-3233) (failure load, LbF.)	1500
Foam Stability (ASTM D-892) (20/50/20 maximum)	0/0/0

Marine gear oils operate in environments subject to water contamination. The chart demonstrates the ability of AMSOIL Universal Synthetic Marine Gear Lube to maintain designed qualities such as extreme pressure/anti-wear performance and resistance to foaming, even when subjected to 10% water contamination.

The Falex Procedure is a measurement of a gear lube's extreme pressure and anti-wear properties. A high value in the Falex Extreme Pressure Test relates to extra extreme pressure protection. AMSOIL Universal Synthetic Marine Gear Lube is not affected by water and provides 50% more extreme pressure protection for long gear and bearing life.

The presence of foam in a lubricant disrupts oil film and promotes wear. Water contamination can increase the likelihood of foaming. Industry standard testing demonstrates zero foam in both new and water-contaminated AMSOIL Universal Synthetic Marine Gear Lube. Other conventional gear lubes can foam when mixed with water, as seen in the graph.

AMSOIL Universal Synthetic Marine Gear Lube is compatible with other commercially available conventional and synthetic marine gear lubes.

Follow manufacturers recommended service intervals.

It is generally a good idea to change gear lube at the end of a season prior to storage.



Extreme Pressure and Foam Stability Testing

Test	AMSOIL Synthetic Universal Marine Gear Lube		Conventional Gear Lube (A)		Conventional Gear Lube (B)	
	No Water	With 10% Water	No Water	With 10% Water	No Water	With 10% Water
FALEX Extreme Pressure Load Test B (LbF) (ASTM D-3233B)	1500	1500	1100	1000	1000	1000
Foam Stability (ASTM D-892)						
Sequence I	0/0	0/0	0/0	0/0	0/0	375/290
Sequence II	0/0	0/0	0/0	20/0	0/0	590/0
Sequence III	0/0	0/0	0/0	0/0	0/0	380/305

AMSOIL products and Dealership information are available from your local AMSOIL Dealer.

