

Overview ► BioGear S 75W-90 Synthetic Gear Lube is a platinum readily biodegradable – grade gear oil uniquely formulated for best in class performance in extreme heavy-duty applications. With it’s superior Viscosity Index, it maintains a long-lasting barrier protection against metal-to-metal contact.



- Advanced Wear Protection
- High Viscosity Index
- Protects Against Rust and Corrosion
- Superior Cold-Weather Protection
- Shear Resistant Synthetic Base Oil

BioGear S 75W-90 is formulated featuring our proprietary **eSyn™** technology providing the ultimate defense against high-stress wear, pitting and scoring.

Typical Properties ▼

Property	ASTM Test Method	S 75W-90
Product Code		BG490075W
SAE Grade		75W-90
Density @ 15.6 C, kg/l	ASTM D4052	0.86
Viscosity @40°C, cSt	ASTM D445	120
Viscosity @100°C, cSt	ASTM D445	15.9
Viscosity Index (VI)	ASTM D2270	>140
Brookfield Viscosity @-40°C		<150,000
Pour Point °F (°C)	ASTM D97	-54 (-48)
Flash Point °F (°C)	ASTM D92	401 (205)
Foam Test	ASTM D892	Pass
Gear Lubrication, FZG Load Stage	DIN 51354-2	>12
Corrosion Protection	ASTM D665A	Pass
Copper Corrosion	ASTM D4048	1B
Readily Biodegradable (meaning>60%)	>60%	Pass

Key Attributes / Approvals ▶



This product meets or exceeds the following requirements:

- Classified as Environmentally Acceptable Lubricants (EAL's) as per the EPA's guidance document that defines standards for Environmentally Acceptable Lubricants (EPA 800-R-11-002) and as required by EPA's 2013 U.S. Vessel General Permit (VGP)
- API Service GL-5 and MT-1
- AIST 224 (Formerly US Steel 224)
- AGMA 9005-E02
- Cincinnati Machine
- DIN 51517:3
- Mack GO-J
- SAE J2360 (Formerly MIL PRF-2105E)
- Cleanliness performance in oxidation tests

See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information.

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