

PRODUCT NAME

BioGear S 75W-90 – Synthetic GL-5 Gear Oil

MANUFACTURER

BioBlend Renewable Resources, LLC.
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DESCRIPTION

BioGear S 75W-90 Synthetic Gear Oil is a premium readily biodegradable gear oil uniquely formulated for best-in-class performance in extreme heavy-duty applications. With its superior viscosity index, it maintains a long-lasting barrier protection against metal-to-metal contact.

FEATURES AND BENEFITS

- Advanced wear protection
- High viscosity index
- Protects against rust and corrosion
- Superior cold-weather protection
- Shear resistant synthetic base oil
- Classified as Environmentally Acceptable Lubricants (EAL's) as per the EPA's 2013 U.S. Vessel General Permit (VGP)
- Doesn't form deposits in oxidation tests

PACKAGING

- 5 Gallon Pails
- 55 Gallon Drums
- 275 Gallon Totes

SUITABLE USES

Any gear application where the following specs should be met or exceeded:

- 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)

STORAGE AND SHELF LIFE

Storage – Keep in a cool, dry and well-ventilated place. Store in a properly labelled, original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. To help maintain product quality, do not store in heat or direct sunlight.

Shelf Life - Product shelf life is 24 months from date of packaging. In some cases product can last longer, please contact your BioBlend representative for proper testing and confirmation instructions.

CAUTIONS

Ensure adequate ventilation. Do not breathe vapor/dust. Use personal protective equipment and avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information.

APPLICATION

- Follow recommendations provided in your equipment's owner's manual
- Follow your organization's manuals and/or best practices for preparation, cleaning, conversion, application and ongoing maintenance practices
- If you have further questions, please contact BioBlend Tech Services by filling out the contact us form on bioblend.com

AVAILABILITY

Worldwide.

TECHNICAL SERVICES

For additional information including the Safety Data Sheet (SDS), Frequently Asked Questions, and Glossary please visit bioblend.com.

APPROVALS AND CERTIFICATIONS

- 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)

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 @-36°C		<30,000
Pour Point °F (°C)	ASTM D97	-36 (-38)
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

The values quoted above are typical of normal production. They do not constitute a specification.

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