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DATA BULLETIN

Biodegradable Synthetic Hydraulic Oil

Provides Outstanding Protection and High Biodegradability



AMSOIL Biodegradable Synthetic Hydraulic Oil is a premium performance, readily biodegradable oil manufactured with synthetic esters. Its high viscosity index provides excellent all-season performance, reducing the need for seasonal change-outs. It remains fluid at low temperatures due to its low pour point to promote smooth, efficient operation in cold weather. Biodegradable Synthetic Hydraulic Oil is compatible with most common seal and hose materials to help prevent leaks.

- **Outstanding** cold-weather performance
- **Resists** oxidation for long oil life
- **Guards** against wear
- **Helps** reduce harm to the environment

Maximum Protection and Efficiency

Synthetic ester-based biodegradable hydraulic oils offer improved cold flow compared to their vegetable-based counterparts. AMSOIL Biodegradable Synthetic Hydraulic Oil's low pour point (-54ºF) ensures immediate oil flow in cold temperatures to help reduce pressure spikes and wear while increasing energy efficiency.

Reduces Environmental Impact

Biodegradable Synthetic Hydraulic Oil is readily biodegradable, with an environmental persistence classification of Pw1, the fastest and highest level of biodegradation. It helps reduce environmental harm in the event of leaks or minor spills.

APPLICATIONS

Use AMSOIL Biodegradable Synthetic Hydraulic Oil as a replacement for most synthetic and conventional hydraulic fluids in stationary and mobile applications using gear, vane and piston hydraulic systems operating under high pressure and high temperatures. Typical applications include construction, logging and farming equipment, lawn and turf care or anywhere leaking, spills or ruptured hydraulic lines may present an environmental hazard. It is recommend for (not limited to) applications that require any of the listed specifications.

- ISO 15380
- VDMA 24568 HEES
- Bosch Rexroth* RD90221-1
- OECD 301B Readily Biodegradable
- Swedish Standard SS155434
- MIA Vamil*

*All trademarked names and images are the property of their respective owners and may be registered marks in some countries. No affiliation or endorsement claim, express or implied, is made by their use. All products advertised here are developed by AMSOIL for use in the applications shown.

Order by Phone 1-800-956-5695 - Give Operator Reference #5983322

TYPICAL TECHNICAL PROPERTIES

Biodegradable Synthetic Hydraulic Oil (BHO)

ISO VG (ASTM D2422)	46
Kinematic Viscosity @100°C, cSt (ASTM D445)	9.2
Kinematic Viscosity @40°C, cSt (ASTM D445)	45.0
Viscosity Index (ASTM D2270)	190
Specific Gravity (ASTM D1298)	0.9176
Density (ASTM D1298)	7.642
Four-Ball Wear Test (ASTM D4172) (40 kg, 1200 rpm, 75°C, 60 min.)	0.37
Flash Point °C (°F) (ASTM D92)	>290 (>554)
Pour Point °C (°F) (ASTM D97)	-48 (-54)
Copper Strip Corrosion Test (ASTM D130)	1A
Rust Testing, Distilled and Salt Water (ASTM D665A & B)	Pass
Foam (ASTM D892, Sequence I, II & III)	0/0, 0/0, 0/0
Demulsibility (ASTM D1401)	40/40/0 (25)
Modified Sturm, OECD 301B	Readily Biodegradable (Pw1)

COMPATIBILITY

Biodegradable Synthetic Hydraulic Oil is compatible with most synthetic and petroleum-based hydraulic oils. Mixing AMSOIL oils with other oils, however, will shorten the oil's life expectancy and reduce its performance benefits. AMSOIL does not support extended drain intervals where oils have been mixed. To ensure proper performance, it is recommended systems be drained and flushed prior to installation.

AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit www.amsoil.com/warranty.aspx.

AMSOIL PRODUCT AVAILABILITY

AMSOIL products are available in 5-gallon pails, 55-gallon drums, 275-gallon totes and bulk quantities.

AMSOIL industrial lubricants are stocked in Superior, Wisconsin and in select regional distribution centers throughout the United States and Canada. AMSOIL will stock additional quantities of lubricants or special-order products based on customer requests and regional demands. For applications and recommendations, contact your local AMSOIL Dealer or the AMSOIL Technical Services Department.

HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available via the Internet at www.amsoil.com or upon request at 715-392-7101. **Keep Out of Reach of Children**. Don't pollute. Return used oil to collection centers.

AMSOIL The First in Synthetics®

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

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