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The First in Synthetics®

DATA BULLETIN

Synthetic Water-Resistant Grease

Superior Lubrication and Protection in Automotive, Powersports and Industrial Applications With Extensive Exposure to Water

AMSOIL Synthetic Water-Resistant Grease is an extreme-pressure grease formulated specially for wet-duty performance. Composed of premium-quality synthetic base oils and calcium-sulfonate complex thickeners, Water-Resistant Grease provides exceptional film strength, shear resistance, adhesion properties and mechanical stability. Its water-washout and sprayoff resistance are outstanding for applications frequently exposed to water, mud, snow or ice, including ATVs, UTVs, snowmobiles and boat trailers.

Water-Washout and Sprayoff Protection

The superior wet-duty performance of AMSOIL Synthetic Water-Resistant Grease is formulated with extra durable cohesive and adhesive chemistry. It holds together when exposed to water and clings tenaciously to metal surfaces when wet, protecting components during prolonged exposure to standing or pressurized water.

Corrosion Protection

Frequent or prolonged water contact can increase corrosion, resulting in damage to metal surfaces and compromised components. Water-Resistant Grease seals metal surfaces and chemically fights corrosion, making it ideal for applications with extensive exposure to water, mud, snow or ice.

Load-Carrying and Extreme-Pressure Performance

AMSOIL Synthetic Water-Resistant Grease protects components from metal-to-metal contact even under heavy loads. Its extreme-pressure additives protect against sustained or sudden extreme loads for dependable protection against wear.

Application Recommendation

AMSOIL Synthetic Water-Resistant Grease meets the highest performance standards set by the National Lubrication Grease Institute (NLGI) for wheel bearing applications (GC) and chassis applications (LB). It may be used in automotive wheel bearings, chassis or other applications for which an NLGI #2 GC or LB grease is recommended.



NLGI #2

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Order by Phone 1-800-956-5695 - Give Operator Reference #1980821

TYPICAL TECHNICAL PROPERTIES

Synthetic Water-Resistant Grease (GWR)

| | GWR | NLGI GC-LB Requirements |
|---|---------------------------|-------------------------|
| Thickener..... | Calcium-Sulfonate Complex | NR* |
| NLGI Consistency Grade..... | 2 | NR* |
| NLGI Performance Grade..... | GC-LB | GC-LB |
| Penetration (ASTM D217) (25°C [77°F], 0.1 mm) worked 60 strokes..... | 277 | 220-340 min |
| Operating Range °F (°C)..... | -40 to 350 (-40 to 177) | NR* |
| Dropping Point °F (°C) (ASTM D2265)..... | >500 (>260) | 428 (220) min |
| High-Temperature Life, hours (ASTM D3527)..... | 115 | 80 min |
| Water Washout, % (ASTM D1264)..... | 1.25 | 15 max |
| Rust and Corrosion (ASTM D1743)..... | Pass | Pass |
| Oil Separation, % (ASTM D1742) (24 hours, 25°C [77°F])..... | 0 | 6.0 max |
| Leakage, g lost (ASTM D4290)..... | 4.2 | 10 max |
| Four-Ball Wear Test, mm scar (ASTM D2266)..... | 0.42 | 0.60 max |
| Fretting Wear, mg (ASTM D4170)..... | 2.5 | 10 max |
| Four-Ball EP, kgf (ASTM D2596) Weld Point..... | 500 | 200 min |
| Load Wear Index..... | 70 | 30 min |
| Timken OK Load Test, lbs (ASTM D2509)..... | 70 | NR* |
| Low-Temperature Torque, N•m (ASTM D4693) (-40°C [-40°F])..... | 6.8 | 15.5 max |
| Oil Viscosity 40°C (104°F), cSt..... | 165 | NR* |
| Color..... | Blue | NR* |
| Texture..... | Smooth with Tack | NR* |

*NR: not required for NLGI GC-LB labeling

APPLICATION MAINTENANCE

Maintaining a clean work environment is important when equipment greasing is performed. Wipe grease fittings clean prior to injecting grease to prevent contaminant ingestion. Maintain bearing housings one-third to one-half full of grease. Do not over-grease, as excessive heat buildup can result. Supplement standard grease maintenance by cleaning and packing housings with fresh grease on an established maintenance schedule.

AMSOIL PRODUCT AVAILABILITY

AMSOIL Synthetic Water-Resistant Grease is available in 3-oz. cartridges, 14-oz. cartridges, 35-lb. lugs and 120-lb. kegs.

COMPATIBILITY

AMSOIL Synthetic Water-Resistant Grease is compatible with many other types of greases. However, it is recommended that, when changing greases, the equipment be cleaned of the old grease when possible or flushed with a liberal amount of Water-Resistant Grease while the mechanism is in operation. Closely monitor the system for any inconsistencies. Grease compatibility questions should be referred to your AMSOIL representative or AMSOIL INC.

AMSOIL PRODUCT WARRANTY

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

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.**



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