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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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## 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](http://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](http://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.