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DATA BULLETIN

Synthetic Multi-Purpose Grease

AMSOIL Synthetic Multi-Purpose Grease effectively reduces friction and wear, providing peace of mind that components are running clean and trouble-free for outstanding performance, long life and reduced maintenance and downtime, even in severe operating conditions. Qualified against the highest grease standards and designed for multiple-use applications, Synthetic Multi-Purpose Grease provides the ultimate in protection and convenience.



NLGI #2
GC-LB

Performance Features

Composed of premium-quality synthetic base oils and calcium-sulfonate-complex thickeners, Multi-Purpose Grease provides exceptional film strength and shear resistance for exceptional component protection in severe service, while also providing superior adhesion properties to effectively resist water washout and stay in place longer. It excels in temperature extremes by providing excellent oxidation stability, high-temperature dropping point and low-temperature torque value and pumping capability. Synthetic Multi-Purpose Grease is formulated with oil-soluble extreme-pressure additives for heavy loads, as well as oxidation and corrosion inhibitors to protect against the effects of corrosion.

- **Resists** thermal and oxidation degradation for long-term performance
- **Excellent** water-washout resistance to stay in place longer
- **Outstanding** low-temperature pumpability and torque value, improving cold-season operability
- **Adhesive** and shear-stable to prevent squeeze out
- **Excellent** load-carrying and EP performance for heavy and abusive loads

Application Recommendations

Synthetic Multi-Purpose Grease is the preferred choice for a wide range of ambient temperatures, wet environments, wheel bearings, suspension systems and a variety of automotive applications.

Synthetic Multi-Purpose Grease is recommended in heavy- and light-duty applications found in manufacturing facilities, automobiles, trailers and landscaping, agricultural and powersports equipment. These include, but are not limited to, roller bearings, plain bearings, thrust bearings, gears, electric motors, presses, winches, bushings, wheel bearings, chassis lubrication, universal joints, ball joints, tie-rod ends and steering knuckles.

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TYPICAL TECHNICAL PROPERTIES
Synthetic Multi-Purpose Grease (GLC)

	GLC	NLGI GC-LB Requirements
Thickener	calcium sulfonate complex	NR*
NLGI Consistency Grade	2	NR*
NLGI Performance Grade	GC-LB	NR*
Operating Range °F (°C)	-40 to 350 (-40 to177)	NR*
Penetration (ASTM D217), worked 60 strokes	282	220-340 min
Dropping Point °F (°C) (ASTM D2265)	>540 (>282)	428 (220) min
High-Temperature Life, hours (ASTM D3527)	120	80 min
Water Washout, % (ASTM D1264)	1.70	15 max
Rust and Corrosion (ASTM D1743)	Pass	Pass
Oil Separation, % loss (ASTM D1742)	0	6.0 max
Leakage, g lost (ASTM D4290)	4.2	10 max
Four-Ball Wear Test, mm scar (ASTM D2266)	0.40	0.60 max
Fretting Wear, mg (ASTM D4170)	2.3	10 max
Four-Ball EP, kgf (ASTM D2596)		
Weld Point	620	200 min
Load Wear Index	74	30 min
Timken OK Load Test, lbs (ASTM D2509)	70	NR*
Low-Temperature Torque, N•m (ASTM D4693)		
(-40°C [-40°F])	6.4	15.5 max
Oil viscosity		
40°C (104°F), cSt	165	NR*
Color	Red	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 periodically cleaning and packing housings with fresh grease on an established maintenance schedule.

AMSOIL PRODUCT AVAILABILITY
Synthetic Multi-Purpose Grease is available in 3-oz. cartridges, 14-oz. cartridges, 35-lb. lugs, 120-lb. kegs, 400-lb. drums and in a 3 oz. cartridge deluxe grease gun kit.

COMPATIBILITY
Synthetic Multi-Purpose 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 Multi-Purpose 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 The First in Synthetics®

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