



## Synthetic Multi-Purpose Grease

AMSOIL Synthetic Multi-Purpose Grease is qualified against the highest grease standards and designed for multiple-use applications. Composed of premium-quality synthetic base oils and calcium sulfonate complex thickeners, Multi-Purpose Grease provides exceptional film strength, shear resistance, adhesion properties and mechanical stability. It excels in temperature extremes by providing excellent oxidation stability, high-temperature dropping point and low-temperature torque value and pumping capability. AMSOIL Synthetic Multi-Purpose Grease is formulated with oil soluble extreme-pressure additives for heavy loads, as well as oxidation and corrosion inhibitors.

### Performance Features

- Resists thermal and oxidation degradation
- Excellent water-washout resistance
- Outstanding low-temperature pumpability and torque value
- Adhesive and shear stable to prevent squeeze out
- Excellent load-carrying and EP performance

### Application Recommendation

AMSOIL Synthetic Multi-Purpose Grease is the preferred choice for medium to high ambient temperatures, sleeve-type bushings, high shock-loading environments, wet environments and wheel bearings and other automotive applications.

AMSOIL Synthetic Multi-Purpose Grease is recommended in heavy- and light-duty applications found in manufacturing facilities, automobiles, agricultural and construction 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.

### Compatibility

AMSOIL 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.



**NLGI #2**

**TYPICAL TECHNICAL PROPERTIES**

**Synthetic Multi-Purpose Grease (GLC)**

|   | <b>GLC</b>                | <b>NLGI GC-LB Requirements</b> |
|---|---------------------------|--------------------------------|
| Thickener . . . . .   | calcium sulfonate complex | NR                             |
| NLGI consistency grade. . . . .   | 2                         | NR                             |
| NLGI performance grade . . . . .  | GC-LB                     | NR                             |
| Penetration (ASTM D-217) (25°C [77°F], 0.1 mm)<br>worked 60 strokes . . . . .   | 282                       | 220-340 min                    |
| Dropping point °F (°C) (ASTM D-2265) . . . . .                                  | >540 (>282)               | 428 (220) min                  |
| High temperature life, hours (ASTM D-3527) . . . . .                            | 120                       | 80 min                         |
| Water washout, percent (ASTM D-1264) . . . . .                                  | 1.70                      | 15 max                         |
| Rust and corrosion (ASTM D-1743) . . . . .                                      | pass                      | pass                           |
| Oil separation, percent loss (ASTM D-1742)<br>(24 hours, 25°C [77°F]) . . . . . | 0                         | 6.0 max                        |
| Leakage, g lost (ASTM D-4290) . . . . .   | 4.2                       | 10 max                         |
| Four-ball wear test, mm scar (ASTM D-2266) . . . . .                            | 0.40                      | 0.60 max                       |
| Fretting wear, mg (ASTM D-4170) . . . . .                                       | 2.3                       | 10 max                         |
| Four-ball EP, kgf (ASTM D-2596)<br>Weld point . . . . .                         | 620                       | 200 min                        |
| Load wear index . . . . .   | 74                        | 30 min                         |
| Timken OK load test, lbs (ASTM D-2509) . . . . .                                | 70                        | NR                             |
| Low-temperature torque, N•m (ASTM D-4693)<br>(-40°C [-40°F]) . . . . .          | 6.4                       | 15.5 max                       |
| Oil viscosity<br>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**

AMSOIL 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 grease gun kit.



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

Nicholas Schmitt Dealer #5121843

AMSOIL ORDERING: <http://www.lubedealer.com/oilsynthetics/home.aspx>