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DATA SHEET

Synthetic EP Grease

Formulated to Lubricate and Protect Agricultural and Commercial Equipment

AMSOIL Synthetic EP Grease is formulated with high-viscosity ISO 460 synthetic base oils and a sophisticated additive package, providing an effective protection system that helps reduce wear and prevent damage. Its advanced extreme-pressure additives provide superior protection and performance in shock-loading applications that can rupture the oil film of conventional greases and lead to damaging metal-to-metal contact. AMSOIL Synthetic EP Grease resists water and protects against corrosion and oxidation that can destroy critical components and lead to equipment failure.



NLGI #00

Performance Features

- Excellent extreme-temperature performance
- Resists oxidation
- Great low-temperature pumpability
- Outstanding corrosion protection
- Reduced wear under shock-load conditions
- Low coefficient of friction for reduced energy consumption

Application Recommendations

AMSOIL Synthetic EP Grease helps solve problems associated with leaky gearboxes and difficult-to-service applications in commercial and fleet markets. It is primarily used in grease-filled cases where conventional greases do not provide adequate lubricant life or protection. AMSOIL Synthetic EP Grease is the primary type of grease recommended for truck wheel hubs as outlined in RP 631B, issued by The Technical and Maintenance Council of the American Trucking Association.

Use AMSOIL Synthetic EP Grease in the following applications:

- Rotary mower gearboxes
- Cotton picker spindles
- Cotton and corn picker heads
- Combine header gearboxes
- Steering gears
- Auger gearboxes
- Truck wheel hubs
- Truck trailer bearings
- Steering axles
- Centralized lubrication systems, particularly at low ambient temperatures
- Commercial lawn mower gearboxes
- Steering gears, track rollers, crushers and vibrating screens
- Enclosed gearboxes where oil leakage is a problem
- Clarifier gear drives
- Conveyor drive gearboxes
- Underground mine pressure gear systems
- Mixer and reactor gear drives
- Kiln car wheel bearings
- Pneumatic tools
- Mobile drilling equipment
- Paper-folding machinery
- Escalator slide rails
- Industrial bottle washers

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TYPICAL TECHNICAL PROPERTIES

Synthetic EP Grease (GSF)

NLGI Grade	00
Thickener	Calcium Sulfonate
Penetration (ASTM D217) Worked 60 Strokes	410
Dropping Point (ASTM D2265), °C (°F)	> 282 (> 397)
Base Oil Viscosity at 40°C, cSt	460
Corrosion Prevention (ASTM D1743)	PASS
Four-Ball EP Weld Load, kg (ASTM D2596)	250
Four-Ball Wear, mm (ASTM D2266)	0.46
Color	Tan
Texture	Smooth
Typical Service Range °C (°F)	-40 (-40) to 177 (350)

COMPATABILITY

AMSOIL Synthetic EP Grease is compatible with many other types of grease. However, it is recommended that when changing grease, the equipment be cleaned of the old grease when possible or flushed with a liberal amount of AMSOIL Synthetic EP 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.

GREASE STORAGE AND HANDLING

Grease should always be stored in a cool, dry area with temperatures above freezing but below 80°F. Store grease in the original container in an upright position and avoid direct sunlight. During long periods of storage, grease may exhibit a slight change in appearance. For further technical questions about the storage and handling of grease, contact AMSOIL Technical Services at tech@AMSOIL.com or 715-399-8324 (TECH).

AMSOIL PRODUCT AVAILABILITY

AMSOIL Synthetic EP Grease is available in 35-lb. pails.

AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit [AMSOIL.com/warranty.aspx](https://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 [AMSOIL.com](https://www.amsoil.com) or upon request at (715) 392-7101. **Keep Out of Reach of Children.**

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