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DATA BULLETIN

Semi-Fluid Synthetic EP Grease

Formulated to Lubricate and Protect Agricultural and Commercial Equipment

AMSOIL Semi-Fluid 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 Semi-Fluid Synthetic EP Grease resists water and provides superior protection against corrosion and oxidation that can destroy critical components and lead to equipment failure.



NLGI #00

Performance Features

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

AMSOIL Semi-Fluid Synthetic EP Grease is recommended for, but not limited to, the following agricultural applications:

- Rotary mower gearboxes
- Cotton picker spindles
- Cotton and corn picker heads
- Combine header gearboxes
- Steering gears
- Auger gearboxes

AMSOIL Semi-Fluid Synthetic EP Grease may be appropriate for the following commercial applications:

- 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

Order by Phone 1-800-956-5695 - Give Operator Reference #5983322

TYPICAL TECHNICAL PROPERTIES
Semi-Fluid Synthetic EP Grease (GSF)

NLGI Grade	00
Thickener	Lithium Complex
Penetration (ASTM D217) Worked 60 Strokes	403
Dropping Point (ASTM D2265), °C (°F)	> 282 (> 540)
Base Oil Viscosity at 40°C, cSt	460
Base Oil Viscosity at 100°C, cSt	46
Corrosion Prevention (ASTM D1743)	PASS
Timken OK Load (ASTM D2509)	50
Four-Ball EP Weld Load, kg (ASTM D2596)	315
Four-Ball Wear, mm (ASTM D2266)	0.59
Color	Green
Texture	Smooth
Typical Service Range °C (°F)	-40 (-40) to 177 (350)

COMPATABILITY
AMSOIL Semi-Fluid Synthetic EP 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 Semi-Fluid 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.

AMSOIL PRODUCT AVAILABILITY
AMSOIL Semi-Fluid 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 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.

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