



Industrial Synthetic Lubricants

SYNTHETIC LITHIUM COMPLEX HIGH-VISCOSITY GREASE

- **NLGI #2**

PRODUCT DESCRIPTION

AMSOIL Synthetic High-Viscosity Grease (GVC) is a lithium-complex-thickened grease blended with premium ISO-320 synthetic base oils. This grease is fully compounded with additives providing EP protection, oxidation resistance and rust and corrosion protection. AMSOIL High-Viscosity Grease is shear stable, maintaining its viscosity and consistency in the presence of mechanical activity. It also stays in place by resisting water washout. During high-temperature operation, AMSOIL High-Viscosity Grease's thickener system remains intact and the high-viscosity base oils resist thermal breakdown, providing a thick film for good boundary lubrication protection. AMSOIL GVC adheres to critical components in severe conditions to provide problem-free operation, resulting in increased uptime and reduced repair and maintenance costs.

APPLICATION

AMSOIL Synthetic High-Viscosity Grease is excellent for use in heavy-duty industrial and off-road applications where equipment operates under adverse conditions, including exposure to environmental elements, slow, heavily-loaded applications and shock-loading conditions. AMSOIL High-Viscosity Grease is formulated to excel in wet applications requiring excellent water resistance and in high-temperature applications up to 177°C (350°F) in continuous service and 204°C (400°F) in intermittent service. The lithium-complex thickener system and high-viscosity base oil provide top performance in hostile environments and heavy-duty industrial or off-road applications where typical multi-purpose greases may not perform up to standards.

AMSOIL High-Viscosity 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 the new grease while the mechanism is in operation. Closely monitor the system for any inconsistencies. Any grease compatibility questions should be referred to your AMSOIL representative or AMSOIL Technical Services.

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. Prevent over-greasing as this can result in excessive heat buildup. Supplement standard grease maintenance by periodically cleaning and packing housings with fresh grease on an established maintenance schedule.

PERFORMANCE FEATURES

- High dropping point (exceeds 260°C (500°F))
- EP additives and high-viscosity base oil for boundary lubrication protection
- Resists thermal and oxidation degradation
- Resists water washout

AMSOIL PRODUCT AVAILABILITY

AMSOIL High-Viscosity Grease is available in 14-oz. cartridges, 35-lb. pails, 120-lb. kegs and 400-lb. drums.

AMSOIL Industrial Lubricants are stocked in Superior, Wisconsin and in select regional distribution centers throughout the United States and Canada. AMSOIL will stock additional quantities of lubricants or special-order products based on customer requests and regional demands.

TYPICAL TECHNICAL PROPERTIES

Lithium Complex High-Viscosity Grease (GVC)

NLGI Grade	2	Water Washout ASTM D-1264 @ 79°C	2.5%
Thickener, type	Lithium Complex	Base Oil Viscosity (40°C, cSt)—ASTM D-445	325
Penetration, worked—ASTM D-217	285	Texture	Smooth
Dropping point, °C (F°)—ASTM D-2265	275 (527)	Color	Amber/Brown
Rust—ASTM D-1743	Pass	Copper Corrosion—ASTM D-4048	1B
Timken #OK Load—ASTM D-2509	60	Oil Separation (percent wt. loss)—ASTM D-1742	1.5 max.
Four-Ball Extreme-Pressure Weld Load, kg ASTM D-2596	315		

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