

High-Viscosity Lithium-Complex Synthetic Grease

Industrial Synthetic Lubricant

AMSOIL High-Viscosity Synthetic Grease is a lithium-complex-thickened grease blended with premium ISO 320 synthetic base oils. It is fully compounded with additives providing EP protection, oxidation resistance and corrosion protection. AMSOIL High-Viscosity Synthetic 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 High-Viscosity Synthetic Grease adheres to critical components in severe conditions to promote optimum operation, resulting in increased uptime and reduced repair and maintenance costs.

APPLICATIONS

AMSOIL High-Viscosity Synthetic 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 independent AMSOIL Dealer or AMSOIL Technical Services.



NLGI #2

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

TYPICAL TECHNICAL PROPERTIES

High-Viscosity Lithium-Complex Synthetic Grease (GVC)

NLGI Grade	2
Thickener Type	Lithium Complex
Worked Penetration (ASTM D 217)	285
Dropping Point, °C (°F) (ASTM D 2265)	275 (527)
Rust (ASTM D 1743)	Pass
Timken OK Load, lbs. (ASTM D 2509)	60
Four-Ball EP Weld Point, kg. (ASTM D 2596)	315
Water Washout, % loss (ASTM D 1264)	2.5
Base Oil Viscosity, cSt @ 40°C (ASTM D 445)	325
Texture	Smooth
Color	Amber/Brown
Copper Corrosion (ASTM D 4048)	1B
Oil Separation, % weight loss (ASTM D 1742)	1.5 max.
Four-Ball Wear, mm (ASTM D 4170)	0.52

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.

Product Availability

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



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