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DATA BULLETIN

High-Viscosity Lithium-Complex Synthetic Grease

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 superior extreme-pressure protection, oxidation resistance and corrosion protection. 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, the base oil resists thermal breakdown, providing a thick film for excellent 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.



NLGI #2

- **EP additives** and high-viscosity base oil for excellent protection
- **Resists** thermal and oxidative degradation
- **Resists** water washout

Excellent Performance

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. Its lithium-complex thickener system, high-viscosity base oil and high-quality additives perform in hostile environments and extreme applications where typical multi-purpose greases may not.

Resists Water Washout

High-Viscosity Grease is formulated with excellent cohesion and adhesion properties that help it resist water washout. It stays in place longer, resulting in reduced maintenance time.

Protects Against Oxidation and Corrosion

High-Viscosity Grease contains a robust package of oxidation inhibitors that helps prevent grease breakdown and component surface damage. A premium blend of corrosion inhibitors further protects components against rust and corrosion formation.

Excels in High Temperatures

High-Viscosity Grease is engineered for exceptional performance in high-temperature applications. Its premium ISO 320 synthetic base oil and high-quality lithium-complex thickener work together to provide superior protection in severe operating conditions [up to 177˚C (350˚F) in continuous service and up to 204˚C (400˚F) in intermittent service].

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

TYPICAL TECHNICAL PROPERTIES

High-Viscosity Lithium-Complex Synthetic Grease (GVC)

NLGI Grade	2
Thickener Type	Lithium Complex
Worked Penetration (ASTM D217)	285
Dropping Point, ˚C (˚F) (ASTM D2265)	275 (527)
Rust (ASTM D1743)	Pass
Timken OK Load, lbs. (ASTM D2509)	60
Four-Ball EP Weld Point, kg. (ASTM D2596)	315
Water Washout, % loss (ASTM D1264)	2.5
Base Oil Viscosity, cSt @ 40˚C (ASTM D445)	325
Texture	Smooth
Color	Amber/Brown
Copper Corrosion (ASTM D4048)	1B
Oil Separation, % weight loss (ASTM D1742)	1.5 max.
Four-Ball Wear, mm (ASTM D4170)	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.

COMPATIBILITY

AMSOIL High-Viscosity Synthetic 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 High-Viscosity Synthetic 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.

PRODUCT AVAILABILITY

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

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 applications and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available online 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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