



Mobil 1™ Synthetic Grease

Mobil Grease , United States

High performance automotive grease

Product Description

Mobil 1™ Synthetic Grease is an NLGI No 2 high-performance automotive grease which combines a synthetic base fluid with a lithium complex soap thickener. The thickener system provides a high dropping point, while additives impart optimum extreme-pressure properties and excellent resistance to water wash, and outstanding protection against rust and corrosion. Mobil 1™ Synthetic Grease has excellent structural stability. The synthetic base oil used in Mobil 1 Synthetic Grease gives it excellent performance properties at both high and low temperatures. High structural shear stability coupled with high performance base oil make Mobil 1 Synthetic Grease an outstanding automotive grease.

Features and Benefits

Features	Advantages and Potential Benefits
All-Purpose Automotive Grease	Certified by the NLGI to meet the GC-LB specification for both chassis and wheel bearing lubrication
Wide Operating Temperature Range	-40C (-40F) to 150C (302 F)
Excellent Resistance to Rust and Corrosion	Longer life of bearings and chassis lube points
Outstanding Structural Stability	Ability to provide effective lubrication over extended periods of time
Exceptional wear protection under heavy loads	Provides bearing protection while cornering and other conditions where bearings temporarily experience heavy loads.
Excellent resistance to water wash	Withstands the effects of water washout from heavy rain storms or other high water wash events.

Applications

Mobil 1 Synthetic Grease meets the requirements of the National Lubricating Grease institute (NLGI) performance classification GC-LB. It is recommended for automotive applications at both high and low temperatures. It is particularly suited for applications such as disc brake wheel bearings and ball and steering joints. It will provide outstanding bearing protection under heavy loads at any highway speed, and where moisture or condensation is a factor.

Specifications and Approvals

This product meets or exceeds the requirements of:
NLGI GC-LB

Properties and Specifications

Property	
Grade	NLGI 2
Thickener Type	Lithium Complex
Soap Free Alkali, as Lithium Hydroxide, wt%, M 219	Lithium complex

Property	
Color, Visual	Red
Penetration, 60X, 0.1 mm, ASTM D217	280
Penetration, Worked, 100,000X, 0.1 mm, ASTM D217	305
Dropping Point, C(F), ASTM D2265	288 (550 F)
Base Oil Viscosity of Greases @ 40 C, mm ² /s, AMS 1697	220
Base Oil Viscosity of Greases @ 100 C, mm ² /s, AMS 1700	23.8
Timken, Minimum OK Load, lb, ASTM D2509	45
Four-Ball Extreme Pressure Test, Load Wear Index, kgf, ASTM D2596	45
Four-Ball Wear Test, Scar Diameter, 40 kg, 1200 rpm, 1 h, 75 C, mm, ASTM D2266	0.40
Four-Ball Extreme Pressure Test, Minimum Weld, kgf, ASTM D2596	250
Corrosion Preventive Properties, Rating, ASTM D1743	PASS
Water Washout, Loss @ 79 C, wt%, ASTM D1264	6

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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07-2021

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