



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 a high performance base oil make Mobil 1 Synthetic an outstanding automotive grease.

Features and Benefits

Mobil 1 Synthetic Grease provides the following advantages and benefits:

Features	Advantages and Potential Benefits
All-purpose automotive service	Certified to the NLGI GC-LB specifications for both chassis and wheel bearing lubrication
Wide Operating range	-40 C (- 40 F) to 150 C (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
Excellent 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.

Specification and Approvals

Mobil 1 Synthetic Grease has the following qualifications	
NLGI GC-LB	2

Typical Properties

Mobil 1 Synthetic Grease	
Product Number	53201-0
NLGI Grade	2
Soap Type	Lithium Complex
Structure	Smooth; Slight Tack
Color	Red
Penetration, ASTM D 217	
Worked x 60 strokes	280
Worked x 10,000 strokes	295
Worked x 100,000 strokes	305
Dropping Point, °C (°F)	288 (550)
Viscosity of Oil, ASTM D 445	
cSt at 40°C	220
cSt at 100°C	23.8
ISO Viscosity Grade	220
Timken OK Load, ASTM D 2509, lb	45
Four-Ball Wear Test, ASTM D 2266, scar Diam, mm	0.40
Four-Ball EP, ASTM D 2596, Weld Load, kg	250
Four-Ball EP, Load Wear Index	45
Corrosion Prevention, ASTM D 1743	Pass
Emcor/SKF Water Wash Test, IP 220 (modified)	0.0
Water Washout, ASTM D 1264, 79°C (175°F), wt %	6

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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