Mobil

Mobil 1™ Synthetic Grease

Mobil Grease , United States

High performance automotive grease

Product Description

Mobil 1™ Synthetic Grease, the official automotive grease of NASCAR, is an advanced full synthetic grease formulated with a proprietary blend of high-performance synthetic base stocks and a lithium complex soap thickener. The thickener system provides a high dropping point, while additives impart excellent extreme-pressure properties and resistance to water wash, rust and corrosion. The proprietary blend of high-performance synthetic base stocks used in Mobil 1 Synthetic Grease gives reliable lubrication over wide temperature ranges -50 C (-58 F) to 246 C (475 F). Outstanding structural stability coupled with high performance synthetic base stocks make Mobil 1 Synthetic Grease an outstanding all-purpose automotive grease.

Features and Benefits

Features	Advantages and Potential Benefits
All-Purpose Automotive Grease	▪ Reliable lubrication over wide temperature range -50 C (-58 F) to 246 C (475 F) ▪ 75 % reduction in torque need at -40 F (-40 C) [1]
Wide Operating Temperature Range	-40C (-40F) to 150C (302 F)
Excellent Resistance to Rust and Corrosion	▪ Longer life of bearings and chassis lube points when exposed to corrosive environments
Outstanding Structural Stability	▪ Provides effective lubrication over extended periods of time
Exceptional wear protection under heavy loads	▪ 20 % Improved wear protection [2]. ▪ Provides bearing protection while cornering and other conditions where bearings temporarily experience heavy loads.
Excellent resistance to water wash	▪ 40% better resistance to water wash out[3] from heavy rain storms or exposure to high amounts of water.
Improved grease bearing life	▪ 3X improvement in grease bearing life[4]

Disclaimers:

[1]Based on ASTM D4693 vs mineral oil grease

[2]Based on ASTM D2266 vs mineral oil grease

[3]Based on ASTM D1264 vs mineral oil grease

[4]Based on DIN 51821 vs mineral oil grease

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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
Four-Ball Extreme Pressure Test, Load Wear Index, kgf, ASTM D2596	51
Corrosion Preventive Properties, Rating, ASTM D1743	Pass
Oil Separation, 0.25 psi, 24 h @ 25 C, mass%, ASTM D1742	3
Penetration, 60X, 0.1 mm, ASTM D217	280
Dropping Point, °C, ASTM D2265	300
Color, Visual	Red
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	150
Timken OK Load, lb, ASTM D2509	60
Copper Strip Corrosion, 24 h, 100 C, Rating, ASTM D4048	1B
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	315
Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266	0.5
Water Washout, Loss @ 79 C, wt%, ASTM D1264	3
Low Temperature Torque, 60 s, -40 C, N m, ASTM D4693	1

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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