Mobil Infinitec 152

Mobil Grease , Germany

High Temperature Grease

Product Description

Mobil Infinitec 152 super-long-life grease, recommended for a wide range of automotive and industrial applications, represents a major advance in lithium-complex grease technology. Developed and patented by ExxonMobil Research and Engineering, the proprietary technology of Mobil Infinitec 152 has set a new standard for lithium-complex grease high-temperature performance. Mobil Infinitec 152 dramatically out-performs conventional lithium-complex greases in high-temperature durability tests. The exceptional lubricating properties of Mobil Infinitec 152 have also been proven in extensive tests conducted by major bearing manufacturers.

Features and Benefits

Superb High-Temperature Performance

The extraordinary high-temperature lubrication life of Mobil Infinitec 152 was impressively demonstrated in the demanding ASTM D 3527 High-Temperature Wheel Bearing Life Test, which employs a standard tapered roller wheel bearing hub operating at 160°C (320°F). Mobil Infinitec 152 achieved an average life of 390 hours - more than four times better than the life of a conventional premium lithium-complex grease that was specifically designed for automotive wheel bearing applications.

The exceptional high-temperature performance of Mobil Infinitec 152 was further demonstrated in the ASTM D 3336 High-Temperature Grease Life Test. At a temperature of 177°C (350°F), Mobil Infinitec 152 achieved an average life of 490 hours - five times greater than the life of a premium grease formulated with conventional lithium-complex technology.

Excellent Wear and Extreme-Pressure Protection

Mobil Infinitec 152 offers extreme-pressure (EP) and anti-wear performance equal to or better than that of top-of-the-line premium industrial greases. Its 60-lb Timken OK Load and 315-kg four-ball weld load are impressive testimony to its excellent EP performance.

Outstanding Water Resistance

Mobil Infinitec 152 is formulated with an advanced polymer that resists the effects of water washout and spray-off.

Dependable Shear Stability

An historical advantage of lithium-complex greases is their ability to resist consistency changes when subjected to mechanical shearing. The advanced thickener system of Mobil Infinitec 152 retains this advantage, offering 100,000-stroke penetration performance that is equal to or better than other premium lithium-complex greases.

Mobil Infinitec 152 automotive and industrial lubricating grease, formulated with a patented long-life lithium-complex thickener system, offers the following features and advantages:

- Up to five times the high-temperature lubrication life of conventional lithium-complex greases (ASTM D 3336)
- Excellent wear and EP protection
- Superb water resistance and shear stability
- Exceeds ASTM D 4950 GC-LB requirements for automotive wheel bearing and chassis applications

Applications

Automotive

Mobil Infinitec 152 far exceeds the requirements of the ASTM D 4950 GC-LB grease classification for automotive wheel bearing and chassis applications.

Mobil Infinitec 152 was specifically designed to meet the demand for better durability and enhanced high-temperature lubrication in four-wheel drive truck and sport utility vehicle wheel bearings. After extensive testing, a major bearing manufacturer has approved Mobil Infinitec 152 for factory fill in their new high-performance automotive wheel bearings.

Industrial

Sealed-For-Life Bearings - Because of its exceptionally long lubrication life, Mobil Infinitec 152 is highly recommended for sealed-for-life bearing applications. Mobil Infinitec 152 is particularly well-suited for high-speed anti-friction bearings operating at high temperatures. In addition, its low oil-bleed properties offer a distinct advantage where minimal leakage is critical.

Multi-Purpose - Mobil Infinitec 152 also is ideal for a wide range of multi-purpose industrial applications requiring long-life or extended-lubrication cycles at high temperatures. Its excellent water resistance and extreme-pressure protection exceed the performance levels of conventional multi-purpose light-to-medium-duty industrial greases.

Specifications and Approvals

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

Properties and Specifications

Property	
Grade	NLGI 1.5
Thickener Type	Lithium Complex
Base Oil Viscosity of Greases @ 100 C, mm2/s, AMS 1700	14.1
Base Oil Viscosity of Greases @ 40 C, mm2/s, AMS 1697	148
Color, Visual	Blue
Corrosion Preventive Properties, Rating, ASTM D1743	PASS
Dropping Point, °C, ASTM D2265	>300
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	315
High-Temperature Wheel Bearing Test, Leakage, g, ASTM D4290	0.4
High-Temperature Wheel Bearing Test, Life @ 1000 rpm, 160 C, h, ASTM D3527	390
Lubrication Life @ 177 C, h, ASTM D3336	90
Oil Separation, mass%, ASTM D1742	0.9
Oil Separation, 30 h @ 100 C, mass%, ASTM D6184	3.2
Penetration, 60X, Kettle Release Pen, 0.1 mm, ASTM D217	294
Penetration, Change from 60X to 100,000X, 0.1 mm, ASTM D217	308
Thickener, wt%, AMS 1699	Lithium complex

Property	
Timken, Minimum OK Load, lb, ASTM D2509	60
Viscosity Index, ASTM D2270	91
Water Sprayoff, Loss, %, ASTM D4049	45
Water Washout, Loss @ 79 C, wt%, ASTM D1264	4

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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05-2022
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