

Mobiltemp 78

High Temperature Grease

The Mobil logo, consisting of the word "Mobil" in a blue, sans-serif font, is positioned in the upper right corner of the page. A large red curved line arches over the logo from the top edge of the page.

Product Description

Mobiltemp 78 is a premium quality, clay-thickened grease primarily intended for the lubrication of plain and antifriction bearings operating at low speed and high temperature or under cycling conditions from ambient to high temperatures. It is based on a high quality, high viscosity mineral oil and is formulated to provide low volatility and high resistance to oxidation at high temperatures, resistance to water washout and good antiwear performance under heavy loads and low speeds. It is an NLGI Grade 1 greases. Mobiltemp 78 also contains molybdenum disulfide, which makes it particularly suitable for the lubrication of cams, ways and other sliding machine elements subject to limited motion or shock loading. Mobiltemp 78 do not contain lead, chlorine or nitrites.

Benefits/Advantages

- Reduced downtime and maintenance costs because of excellent protection against wear at high temperatures.
- Will not soften and leak from bearings.
- Good resistance to water washout and steam.
- Extended intervals between relubrication due to long product life under arduous conditions.

Application

Mobiltemp 78 is recommended for the lubrication of plain and antifriction bearings in applications such as oven conveyor or kiln bearings operating at low speeds and high temperatures or under cycling conditions from ambient to high temperatures. The grease will not soften and leak under high temperature conditions or harden excessively on cooling. Mobiltemp 78 with molybdenum disulfide makes it particularly suitable for the lubrication of cams, ways and sliding machine elements subject to long relubrication intervals, limited motion or shock loading. The recommended operating temperature range is 0 to 170°C, with appropriate relubrication intervals.



Typical Properties

Mobiltemp	78
NLGI Grade	1
Thickener Type	Clay
Structure Type	Smooth
Color	Grey/Black
Penetration at 25°C Worked	325
Dropping Point, °C	260+
Viscosity of Base Oil cSt at 40°C	485
cSt at 100°C	32
4-Ball Wear, Scar mm	0.5

Health and Safety

Based on available toxicological information, this product produces no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin contact areas with soap and water. Additional health and safety information on this product, including Material Safety Data Bulletins, is available on request from your local ExxonMobil company.

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