



MOBIL EPIC™ GREASE

Mobil Grease , Canada

ALL-WEATHER SEMI-SYNTHETIC EXTREME PRESSURE GREASE

Product Description

Mobil Epic™ EP 102, Mobil Epic EP Moly and lubricants are premium quality, semi-synthetic all-weather greases that offer excellent lubrication performance over wide operating temperature range. The lithium complex soap technology used in Mobil Epic brand greases contributes to long life through excellent oxidation stability, good shear stability, high temperature protection and water resistance. The additives in Mobil Epic greases provide excellent corrosion protection, potent wear protection and very high load carrying capacity. Mobil Epic greases are recommended for multi-service application in plain and anti-friction bearings, gears, slides and applications where friction reduction and low wear are required. Mobil Epic greases have a long history of excellent performance in the toughest applications and extreme temperature conditions.

Mobil Epic EP 102 is a non-moly multi-purpose grease designed to provide outstanding performance over a very wide temperature range in a variety of industrial and automotive and heavy duty applications. Mobil Epic EP Moly is formulated with Molybdenum disulphide to provide an extra level of protection for chassis applications such as heavily loaded pins, bushings, slow turning bearings, slides and gears. Mobil Epic EP 102 and Mobil Epic EP Moly have excellent low temperature dispensability, pumpability, as low as -40°C and thermal stability in applications as high as 150°C.

Features and Benefits

Features	Advantages and Potential Benefits
Excellent dispensability at low temperatures	Protects lubricated parts from wear at very low temperatures
Wide operating temperature range	Can protect equipment from wear at temperatures as low as -50°C and as high as 150°C
Semi-synthetic basestock	Helps to provide reduced low-temperature startup torque, helping to reduce energy draw and wear
Excellent rust and corrosion protection	Component surfaces are protected from degradation leading to longer life, reduced maintenance and replacement costs
High load carrying capacity	Formulated with potent extreme pressure agents to protect metal surfaces under load – reduced wear, longer life, reduced maintenance and replacement costs
Molybdenum disulphide	Forms a solid layer on metal surfaces providing potent protection against sliding friction. Extends component life and reduces maintenance costs associated with repairs and replacement costs

Applications

- As a heavy duty chassis lube for mobile equipment found in agriculture, mining, construction, forestry, and on-highway
- As a general purpose grease in many industrial applications, indoors and outside, in both cold and high temperature applications

Please contact your Imperial Oil representative, or our Customer Service Center for assistance with the selection of the correct grade of Mobil Epic, or any of our other performance lubricants for your equipment.

Properties and Specifications

Property	MOBIL EPIC EP 102	MOBIL EPIC EP MOLY
Grade	NLGI 1.5	NLGI 1.5

Property	MOBIL EPIC EP 102	MOBIL EPIC EP MOLY
Thickener Type	Lithium Complex	Lithium Complex
Base Oil Viscosity of Greases @ 100 C, mm2/s, AMS 1700	14.5	14.5
Base Oil Viscosity of Greases @ 40 C, mm2/s, AMS 1697	130	130
Color, Visual	Red	Grey-black
Dropping Point, °C, ASTM D2265	260	260
Four-Ball Extreme Pressure Test, Weld Load, kgf, ASTM D2596	250	400
Low Temperature Torque, Running, -40 C, g-cm, ASTM D1478		1000
Low Temperature Torque, Starting, -40 C, g-cm, ASTM D1478	2000	2000
Penetration, 60X, 0.1 mm, ASTM D217	310	310
Texture, VISUAL		Smooth
Thickener, wt%, AMS 1699	0	3
Timken OK Load, kg, ASTM D2509	28	28
Viscosity Index, ASTM D2270	150	150
Viscosity, Apparent @ 20 s-1, -40 C, P, ASTM D1092	8000	8000

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.as>

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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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