PHILLIPS 66 LUBRICANTS

Moly Low Temp

Phillips 66® Moly Low Temp is a multipurpose, extreme pressure (EP), aluminum complex grease developed for use in automotive and industrial equipment operating at low ambient temperatures down to -30°F. It has good mobility at low temperatures plus a high dropping point for year-round use in arctic climates.

Moly Low Temp is manufactured with low viscosity base oils and an aluminum complex soap thickener. It is compounded with select additives that provide EP and antiwear properties, good oxidation resistance, and rust and corrosion protection. It is fortified with 5% molybdenum disulfide (moly) for extra protection in equipment subject to heavy or shock loads. It has good shear stability and resistance to water washout. It is suitable for both winter and summer use in arctic climates.

Applications

- Mobile equipment and industrial machinery operating for prolonged periods at temperatures substantially below 32°F
- Chassis parts, wheel bearings, spring shackles and king pins on automotive and other mobile equipment operating in arctic climates
- Chassis parts and wheel bearings on mobile equipment such as lift trucks operating in refrigeration plants, cold storage rooms and sharp-freeze rooms
- Plain and rolling element bearings, slides and linkages on industrial equipment operating in cold rooms or at low ambient temperatures
- Track roller bearings and chassis parts on tractors, coal haulers, snow removal equipment and other heavy equipment operating in cold climates

Features/Benefits

- Suitable for year-round use in mobile equipment and industrial machinery operating in arctic climates
- Good low temperature properties down to -30°F
- Good EP and antiwear properties
- Contains moly for extra protection under heavy or shock loads
- Good oxidation resistance
- Protects against rust and corrosion
- Good shear stability
- Good resistance to water washout

Low Temperature Applications

Extreme Pressure

Aluminum Complex Grease

5% Moly

KEEPING THE WORLD RUNNING SMOOTHLY

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Typical Properties		
NLGI Grade		**1**
Thickener Type		Aluminum Complex
Color		Black
Texture		Smooth
Molybdenum Disulfide, wt %		5
Dropping Point, °C (°F)	ASTM D2265	260 (500)
Viscosity, Kinematic	ASTM D445	
Viscosity @ 40°C, cSt		25
Viscosity @ 100°C, cSt		4.6
Penetration, Worked (60 strokes)	ASTM D217	310-340
Oxidation Stability, 100 Hours, psi (kPa)	ASTM D942	5 (34.5)
Four-Ball Wear Scar, mm	ASTM D2266	0.35
Four-Ball EP, Weld Load, Kgf	ASTM D2596	315
Timken OK Load, lbs	ASTM D2509	45
Corrosion Prevention	ASTM D1743	Pass
Copper Corrosion	ASTM D4048	1b

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via http://www.phillips66.com/SDS.

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