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Product Data Sheet

Moly EP

Description and Applications

Saheli Moly EP grease is multi-purpose lithium soap based grease for use in a wide range of heavy-duty automotive applications. It is manufactured from high quality solvent refined base oils and performance additives to provide good structural stability, high dropping point, resistance to water washout and effective protection from wear and corrosion. It also contains 3% molybdenum disulfide (MoS2) for enhanced wear protection.

- Superior extreme pressure and anti-wear properties extend bearing life under varied conditions
- Excellent mechanical stability and resistance to softening ensures long lubricant life and prevents leak out of bearings even in the presence of water
- Very good corrosion protection and resistance to water washout resulting in improved component protection and equipment life
- Good adhesive property ensures that the grease stays in place for longer re-lubrication intervals.
- High drop point ensures extended operating range of up to 130ºC.
- Good low temperature fluidity/ pumpability even in cold weather making it ideal for use in centralized lubrication systems on vehicles as well as industrial applications

Applications

Automotive applications subjected to heavy loads, shock loading, particularly under fretting, oscillating / reciprocating or sliding motion.

- Heavy-duty equipments used in Off-highway applications like construction, mining/ quarrying agriculture and forestry/ logging and other industrial applications.
- General lubrication of machinery, antifriction bearings, sleeve and guide bearings, oscillating bearings.

Estimated Operating Temperature Range

Continuous operation: -20°C to +130°C

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Test Parameters	Test Method	Typical Results	
Moly EP	**ASTM D4950**	**NLGI2**	**NLGI3**
Thickener Type		Lithium	Lithium
Type of base oil		Mineral	Mineral
Molybdenum disulfide (MoS2), %wt		3	3
Consistency, worked 60X	ASTM D217	280	235
Penetration after 100,000 X, (change)	ASTM D217	30	30
Four Ball Weld Load, KGS	ASTM D2596	250	250
Four Ball Wear, Scar Dia, mm	ASTM D2266	0.6	0.6
Timken OK Load, lbs	ASTM D2509	50	50
Dropping Point °C	ASTM D2265	190	190
Base Oil Viscosity @ 100°C, cSt	ASTM D445	16.9	17.1
Copper Corrosion 24hrs @ 100°C	ASTM D4048	1a	1a
Oxidation Stability (100hrs)	ASTM D942	0.5	0.5
Rust Protection	ASTM D1743	Pass	Pass

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