

### Heavy Duty Moly Grease 5% Molybdenum Disulfide

#### Product Information

**PM710 HD Moly EP** Heavy-Duty High-Performance grease with 5% Molybdenum has been developed to operate in the most arduous conditions found in mining, earth moving, agricultural, and stationary plant venues. PM HD M is underpinned by the adoption of Calcium Sulphonate Complex thickener which is found to have superior characteristics to the more commonly used Lithium Complex chemistry synonymous with other greases in this category. PM710 HD M has superior water washout and corrosion protection. HD M exceeds the 5% solids requirement, a property needed in severe impact points contained within zones where extreme protection is of paramount importance.

**PM710 HD Moly EP** is at home where water resistance, or, even where salt water corrosion threatens to impinge on componentry in situations where high load carrying capacity, with increased resistance to galling and fretting are required.

**Applications:** PM710 can be used in equipment where heavily loaded pins and bushes, along with slow to medium heavily loaded bearings experiencing shock loads are encountered. Anywhere severe operating conditions dictate a dynamic response, such as marine, steel and metal manufacturing, the paper industry. Also agricultural pursuits, where hostile conditions can prevail. The solids particle size permits off-highway wheel bearing use in slow to medium speed units. New Generation tackifiers add to the stay-put character of this product causing it to adhere to vertical surfaces or places where fling-off could be encountered such as the swing gears in excavation equipment.

**Key Features & Benefits:** PM710 has \*\*high tackiness agents - ensures constant lubrication in all conditions. \*\*5% solids -  $M_0S_2$ ... a key factor in reducing wear. \*\* The Calcium Sulphonate Complex thickener results in \*\* Improved mechanical stability and tenacity.. HD M won't squash out. \*\* Extreme water resistance. Grease holds it's character in water and resists wash-out. \*\* Excellent resistance to corrosion/acid attack. \*\* A higher drop point. High temperature applications. \*\*Increased EP because of soap type..prevents wear during boundary lubrication times.

#### Typical Properties:

		Method
NLGI Grade	1.5	ASTM 217
Appearance	Grey/Black- Buttery	
Texture	Very Tacky	
Pumpability	Good	
Viscosity Base Oil 40°C	460 cSt	ASTM D445
Thickener	Calcium Sulphonate C	
Lubricating Solids %	> 5	
Drop Point °C	330° C	ASTM D2265
Four-Ball EP Weld Kg	600-800	ASTM D2873
Four-Ball Scar, mm	0.45	ASTM D2266
Rust Prevention	Pass	ASTM D1743
Timken OK Load kg	30	ASTM D2509
Worked Penetration	300 mm	ASTM D217
Water Washout	1.35%	ASTM 1264
Oil Separation @ 25°C 24H	0.60%	ASTM 1742

#### Benefits:

- Excellent Stay Put Character
- Reduces Maintenance Costs
- Excellent Lubrication with high water resistance
- **DO MORE WITH LESS**

#### Why PM Lubrication?

- ★ **Guaranteed Cost-Effective**
- ★ **Lubrication with the adoption of premium quality lubricants and depth media filtration extends the life of lubricant and componentry.**

Available in 180KG, 20KG, 2.5KG, 450G Containers

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