

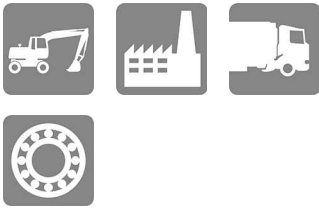
MOL Sulphogrease 1/2 HD

calcium sulphonate lubricating grease



MOL Sulphogrease 1/2 HD is a high performance lubricating grease produced from high viscosity highly refined base oil components, that have beneficial evaporation and oxidation properties even at high temperatures, using a calcium-sulphonate thickener. Its natural wear-reducing effect and EP property, as well as its water resistance and corrosion inhibiting performance are exceptionally good. It is the principal lubricating grease of the steel industry, where the bearings exposed to extreme loads are in contact with water on a regular basis. One of the special properties of the lubricating grease is that its consistence and load carrying capacity do not change significantly upon contact with large quantities of water. It is a soft, dark brown lubricating grease. The temperature range of application is between -25 °C and +160 °C.

Application



- Equipment exposed to dynamic water loads
- High temperature applications
- Hydraulic cylinder bearings of roll stands
- Bearings of rollers in the paper industry
- Individual and central supply lubrication systems

Features and benefits

Multipurpose lubricating grease	Wide range of applicability enables reduction of the number of lubricating oils Problems due to mixing of lubricating greases are minimized Warehousing and maintenance costs are reduced
Long lifetime	Re-greasing cycle time can be increased, economical application
Extreme corrosion protection	Protects equipment against rusting, even under dynamic loads in the presence of water Extreme long term protection of steel and non-ferrous metal parts
Outstanding dynamic water resistance	No significant change in consistency and load-carrying properties, even on exposure to a large volume of water
Excellent tackiness	Forms a stable and uniform lubricating film, which is not squeezed from between contacting surfaces even under heavy loads Prevents metallic contact at low speeds Reduced losses due to leakage and reduced environmental pollution
Outstanding oxidation stability	Stable structure at high temperatures, so no hardening of lubricating grease and minimum oil separation
Excellent pumpability	Applicable in central lubricating systems safely, even at varying temperatures Can be transferred continuously even in long pipelines, does not harden and does not cause missed greasing
Excellent wear protection	Reduced wear of contacting surfaces, even under varying operating conditions Contributes to increasing equipment lifetime

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Specifications and approvals

NLGI grade: NLGI 1/2
DIN 51502: KP1/2P-25
ISO 6743-9: L-XBEHB 1/2

Properties

Properties	Typical values
Appearance	Dark-brown, transparent
Base oil viscosity at 40 °C [mm ² /s]	430
Dropping point [°C]	above 300
Penetration after 60 strokes at 25 °C [0,1 mm]	295
Penetration change after 100 000 strokes, at 25 °C [0,1 mm]	6
Shell Roll stability (100 °C/24h) penetration change [%]	2
Four ball test, weld load [N]	4400
Four ball test 60 min/400 N wear diameter [mm]	0,5
Timken OK load [Lb]	45
Corrosion at 100 °C/ 24 h (steel)	pass
Copper corrosion (100 °C, 24 h) [grade]	1
Dynamic water - resistance at 79 °C [mass %]	2
Oil separation [mass %]	0
Flow pressure at -20 °C [mbar]	500

The characteristics in table are typical values of the product and do not constitute a specification.

Storage and handling instructions

The product does not contain any toxic materials. During storage and handling the product usual health safety regulations for mineral oil products should be observed. It should be stored at covered place, free of direct sunlight and moisture.

In the original container under the recommended storage conditions: 36 months

Recommended storage temperature: -5°C - +45°C

Ordering information

Custom Tariff Number 27101999

SAP code and packaging:

13007604 MOL Sulphogrease 1/2 HD 8KG

8 kg steel pail (for order only)

13007436 MOL Sulphogrease 1/2 HD 180KG

213 l steel drum (for order only)

Order booking:

Please contact your local distributor or sales partner for ordering details.