

MOL Neoma NH 2

calcium complex lubricating grease



MOL Neoma NH 2 is a lubricating grease produced from highly refined base oil components and a calcium complex thickener, that enable beneficial evaporation and oxidation properties even at high temperatures. It also has inherent EP properties. It contains antiwear and oxidation and corrosion inhibitors and EP additives for increasing its performance. Its polymer content ensures good water resistance and adhesion to the product. Its special application fields include the lubrication of heavy combat vehicles. It is moderately soft, red coloured lubricating grease. The temperature range of application is between -30 °C and +140 °C, although with regular regreasing, up to +180 °C.

Application



High temperature applications

Equipment exposed to dynamic water loads

Heavy-duty sliding and rolling bearings

Axles, joints and accessories

Equipment exposed to vibration

Individual and central supply lubrication systems

Features and benefits

Excellent load-carrying properties	Lubricating film is not broken, even under heavy loads, due to its natural EP properties Contributes to increasing equipment lifetime
Good tackiness, giving improved dynamic water resistance	Forms a continuous lubricating film which adheres strongly to the metal surface, even under loads in the presence of water Reduced losses due to leakage, so re-lubrication cycle time is increased Not washed out from the lubrication point, even on exposure to a large volume of water
Excellent wear protection	Reduced wear of contacting surfaces, even under varying operating conditions Improved operational safety and high level of availability
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
Resistant to vibration	Lubricating grease structure remains stable; grease does not soften or run off the greasing point
Exceptional thermal and oxidation stability	No hardening of lubricating grease at high temperatures and minimum oil separation Cycle time of re-lubrication can be increased significantly Operational, maintenance and disposal costs are reduced
Excellent corrosion protection	Effective surface protection of steel and non-ferrous metal parts, even under heavy loads in the presence of water

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Specifications and approvals

NLGI grade: NLGI 2
DIN 51502: KP2N-30
ISO 6743-9: L-XCDHB 2

Properties

Properties	Typical values
Appearance	red, homogeneous
Base oil viscosity at 40 °C [mm ² /s]	100
Dropping point [°C]	above 300
Penetration after 60 strokes at 25 °C [0,1 mm]	280
Four ball test, weld load [N]	3000
Timken OK load [kg]	18
Oxidation stability at 100 h / 100 °C pressure drop [kPa]	30
Corrosion at 100 °C/ 24 h (steel)	pass
Copper corrosion (100 °C, 24 h) [grade]	1
EMCOR test, distilled water [grade]	1
Dynamic water - resistance at 79 °C [mass %]	10
Oil separation (100 °C/24 h) [mass %]	4,0
Oil separation (150 °C, 24 h) [mass %]	6,5

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: 24 months

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

Ordering information

Custom Tariff Number 27101999

SAP code and packaging:

13300761	MOL Neoma NH 2 400G	400 g scroll (for order only)
13301922	MOL Neoma NH 2 8KG	8 kg steel pail
13301921	MOL Neoma NH 2 50KG	60 l steel drum
13301920	MOL Neoma NH 2 180KG	213 l steel drum

Order booking:

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