MOLY GL 220

Spur and worm gear oil

Product description

MOLY GL 220 is a high quality tooth and worm gear oil based on mineral oil reinforced with molybdenum disulphide. The product can withstand extremely high loads with maintained performance and enables extended service intervals.

Application areas

MOLY GL 220 is recommended where operating conditions are extremely harsh, such as shock loads and/or heavy loads in combination with low rotation speeds. The product is suitable for all types of industrial applications, in particular tooth and worm gears. The product also functions very well in forging press gearboxes, axles, joints, impact breakers and cogwheels, and also works in circulating lubrication systems. MOLY GL 220 can be used at temperatures up to +100 °C and for short periods up to 120-150 °C.

Characteristics and advantages

MOLY GL 220 contains molybdenum disulphide, which prevents metal-to-metal contact and reduces wear of metal components. At high pressures and high temperatures it creates a protective layer of molybdenum disulphide on the metal surfaces. This leads to reduced friction and an increased service life of components. MOLY GL 220 is formulated to withstand extremely high loads at low rotation speeds. The product has very good oxidation stability and enhanced corrosion protection, which gives extended service intervals. MOLY GL 220 has an smoothing effect on already damaged metal surfaces and the addition of molybdenum disulphide dampens vibrations and sound.

Tests and approvals

Meets AGMA's specifications for R&O and EP oils, Meets the demands according to DIN 51517-3 CLP

Handling and storage

Avoid skin contact. In the event of contact with skin, wash with soap and water. Dispose of used oil at a recycling station or equivalent. Safety data sheets are available on www.statoillubricants.com or supplied on request.

Typical Data

Characteristics	Typical value	Unit	Method
Density at 15°C	895	kg/m³	ISO 12185
Flash point COC	232	°C	ISO 2592
Pour point	-15	°C	ISO 3016
Viscosity at 40°C	220	mm²/s	ISO 3104
Viscosity at 100°C	18.7	mm²/s	ISO 3104
Viscosity index	97	-	ISO 2909

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