

GFS5000 Grease

EXTREME PRESSURE GRADE 2 / COMPATIBLE WITH CENTRALIZED LUBRICATION
High performance lubricant with GDA® silicones modified technology
Designed for very severe uses: strong loads, high and low temperatures
*Approved by POMAGALSKI

WWW.MECATECH-PERFORMANCES.COM

VERSION 2 - OCTOBRE 2022

CHARACTERISTICS

◆ Colour	Yellow
◆ Thickener	complex Lithium Soap
◆ Drop temperature	≥ 250° C
◆ Temperature of use	-30 to 200° C
◆ Base oil viscosity (additived)	> 350 mm2/s
◆ Worked penetration 60 stokes NFT60-132	280-295
◆ Loss after the 100.000 stokes of Worker NFT60-132	35
◆ with 10 % water	45
◆ Washing out with water ASTM D1264	3%
◆ Torque starting to -25 °C ASTM 1478	<2 daN
◆ Timken OK load	>50 lb
◆ Shell 4 balls welding ASTM D2596	≥ 650
◆ Shell 4 balls wear ASTM D2266	<0,5 mm
◆ Lifespan with 150 °C /10.000 rpm. FTM 331	700 H
◆ Rust prevention EMCOR NFT 60-135	quotation 0

ADVANTAGES

- ◆ GFS5000 Grease has extreme pressure, anti-corrosion and anti-oxidation properties of very high level. This grease is formulated using a blend synthetic and highly refined mineral oil bases, additivated with a package of viscosity improver and GDA® silicones modified, thickened by a complex lithium soap.
- ◆ The complex Lithium soap confers a very high melting point, as well as a great resistance to water.
- ◆ The blend of high viscosity base oils is reinforced by a package of viscosity improver and silicones modified which confer to the GFS5000



the load. This allows performances which until now were reserved for some very expensive special greases and this in for very large range of temperatures (Oil viscosity equivalent to more than 350 mm²/s under low shear and more than 460 mm²/s under Shear).

- ◆ GFS5000 grease keeps an ideal consistency even at low temperature, it does not harden and adheres more strongly to metal surfaces than a conventional grease: no projection under the effect of shocks or spin, more flexible operation, very significant improvement of the working life of the material.
- ◆ The affinity of GDA[®] silicones modified for metal surfaces, associated with its great weather resistance give GFS5000 excellent anti-corrosive properties.
- ◆ Because of its very low content of naphthenic oils GFS5000 grease is hydrophobic and preserves its properties (consistency, extreme pressure, anti-corrosive...) even in the presence of water.

USES

- ◆ Especially recommended for Materials subjected to very strong loads and very large temperatures ranges

*Approved by **POMAGALSKI** for the lubrication of slow and heavy-loaded bearings, such as those of extreme pulley-wheels ski-tows

- ◆ Cable cars: pulleys of head, driving pulleys
- ◆ Transmission joints bearings.
- ◆ Public works: Axel, bearings.
- ◆ Excellent mechanical stability, even in the presence of water.

PRECAUTIONS FOR USE

- ◆ Under the normal conditions of employment, GFS5000 grease does not present any special character of toxicity, and requires for its handling, only the general precautions applying to the industrial lubricants.

PACKAGINGS

- ◆ Cartridges of 400g.
- ◆ Barrels of 25, 50 and 180 kg.
- ◆ Art # 305xxx

The information contained in this data sheet are intended to advise you. They do not imply any commitment on our part.