



Mobil SHC™ Grease 102 WT

Mobil Industrial, United States

High Performance Synthetic Grease for Wind Turbines

Product Description

Mobil SHC™ Grease 102 WT is scientifically engineered to meet or exceed the demanding requirements for severe wind turbine pitch and yaw applications at extreme cold temperatures. The unique features of synthetic base fluids are combined with those of a high quality lithium complex thickener. This state-of-the-art formulation helps contribute to excellent extreme low temperature application as well as high-temperature performance with powerful structural stability and resistance to water.

Features and Benefits

- The low internal friction and high natural viscosity index of the base fluids offers the potential for improved low-temperature starting and running torque and pumpability down to -50 °C (-58° F).
- Superb thermal stability and oxidation resistance compared to conventional greases helps provide extended service life with longer relubrication intervals.
- Excellent rust and corrosion protection provides excellent performance in wet conditions for reduced downtime and maintenance costs compared to/versus conventional greases.
- Outstanding structural stability in the presence of water helps retain grease consistency in hostile aqueous environments.
- Excellent pumpability provides reliable lubrication of bearings using centralized grease systems or grease dispensers.
- Low traction coefficient offers potential improved mechanical life and reduced energy costs versus conventional greases.

Applications

- Mobil SHC Grease 102 WT meets most specifications of wind turbine builders and component suppliers and has demonstrated outstanding performance in the lubrication of yaw, pitch, and generator bearings either manual greased or using centralized grease systems or grease dispensers.
- For wind turbines operating under extreme low temperature environments.
- Recommended application temperature range for continuous operation is from -50° C (-58° F) to 120°C (248° F).

Specifications and Approvals

Mobil SHC Grease 102 WT meets or exceeds the requirements of:	
DIN 51825: 2004-06	KPHC2K-50

Mobil SHC Grease 102 WT has the following builder approvals:	
IMO material compatibility	
ThyssenKrupp Rothe Erde seal compatibility	

Typical Properties

	Mobil SHC Grease 102 WT
NLGI Grade	2
Thickener Type	Lithium Complex
Colour, Visual	Beige
Penetration, Worked, 25°C, ASTM D 217	285

	Mobil SHC Grease 102 WT
Dropping Point, °C, ASTM D 2265	263
Viscosity of Oil, ASTM D 445 cSt @ 40°C	95
4-Ball Weld, ASTM D 2596, Load, Kg	315
Water Washout, ASTM D 1264, Loss at 79°C. % wt	6
Rust Protection, ASTM D 6138, Distilled Water	0, 0
Corrosion Protection, ASTM D 1743, Rating	Pass

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contact office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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