

SYNTHETIC MAIN BEARING GREASE

Product Profile

DEVOTED TO PROTECTION®

AMSOIL GMB grease is engineered specifically for use in wind turbine main bearings. Its unique combination of synthetic PAO base oils, lithium complex thickeners, and carefully chosen additives specifically solve common main bearing issues such as wear, rust, and grease deterioration or hardening. AMSOIL GMB grease works exceptionally well in large slow-speed bearings with high loads and in the moisture-laden environments that wind turbine main bearings are subjected to.

AMSOIL GMB allows bearings to run freely with an ultra-low starting and running torque, yet they provide excellent wear protection and cause less drag than competitive products.

AMSOIL GMB grease can be used in other applications and is an excellent choice for Yaw and Pitch bearings.

TYPICAL TECHNICAL PROPERTIES

Synthetic Main Bearing Grease (GMB)

NLGI Grade	1.5
Thickener Type	Lithium Complex
Color, Visual	Tan
Penetration, Worked, 25°C, mm (ASTM D 217)	309
Dropping Point, °C (ASTM D 2265)	278
Viscosity of Base Oil @ 40°C, cSt (ASTM D 445)	460
Viscosity Index (ASTM D2270)	181
4-Ball EP Test, Weld Load, kgf (ASTM D 2596)	250
4-Ball Wear @ 60°C, Scar Diameter, mm (ASTM D 2266)	0.42
Water Washout @ 60°C, %wt. (ASTM D 1264)	2.13
Emcor Test with 1% NaCl Solution, Rating (ASTM D 6138)	0/0
Corrosion Protection, Rating (ASTM D 1743)	Pass
Fretting Wear, wt. Loss, mg (ASTM D 4170)	2.6

AMSOIL
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