



TECHNICAL DATA SHEET

BMG-6000™

HIGH PERFORMANCE OPEN GEAR AND BUSHING GREASE

Whitmore's BMG-6000™ is an open gear and bushing lubricant designed for use on the most severely loaded applications. It is especially useful where gears have previously been damaged due to severe load or poor lubrication.

BMG-6000™ contains a synergistic blend of antiwear and extreme pressure additives designed to protect and smooth gear surfaces under the most severe conditions of high load, slow speed, and shock load. The wear protection package comprises conventional solid lubricants plus a new generation of oil-soluble additives.

Using conventional lubricants, it is normal for new surfaces to improve somewhat during the running-in process. Using BMG-6000™, running-in surface improvement becomes more pronounced.

The BMG-6000™ performance difference is seen on older gears that are suffering from wear damage. Pre-existing wear will smooth out, forming a shiny load-bearing area. The value to the end user can hardly be overstated. The service life of gears, whether new or previously damaged, will be greatly extended. Also, it is common for noise, vibrations, and temperature readings to decline soon after switching to BMG-6000™.

If your gearing suffers from pitting, scuffmarks or other manifestations of wear, expect the gear surface to improve. Expect noise and vibration levels to drop, and equipment to last longer.

BENEFITS:

- WEAR PROTECTION – prevents pitting, scuffing, and metal deformation under high load. Extends gear life.
- NOISE REDUCTION – reduction in noise and vibrations frequently occurs within days of switching to BMG-6000™.
- SURFACE IMPROVEMENT – on highly loaded gears that suffer wear damage.
- PUMPABLE – can be pumped safely and sprayed through automatic lubrication systems at temperatures down to 25°F (-4°C).

APPLICATIONS:

BMG-6000™ can be used in virtually any open gear application such as sugar mills, ball mills, rod mills, kilns, dryers, and granulators. It is also ideal for bushings, especially those operating under high load and at slow speed. BMG-6000™ has also been used successfully to extend component life on older draglines operating in a warm climate.

ASTM #		TYPICAL CHARACTERISTICS
	Grade	1.5
D-217	Cone Penetration (Worked)	295-325
D-445	Kinematic Viscosity (Base Oil) cSt @ 40°C cSt @ 100°C	8,900 262
D-2161	Saybolt Viscosity (Base Oil) SUS @ 100°F SUS @ 210°F	41,000 1,200
Gardner Method	Density, lb/gal @ 77°F (25°C)	7.62
D-92	Flash Point, °F (°C) (Typical) Cleveland Open Cup (Base Oils)	400 (204)
D-2596	Four Ball EP Weld Point, kg	800
D-4049	Water Spray-Off, % Loss	<1.0
D-1743	Rust Test	Pass
D-4048	Copper Strip Corrosion for Greases 212°F (100°C) @ 3 hrs	1B
	Thickener Type	Inorganic

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Kegs

THE WHITMORE MANUFACTURING COMPANY

930 Whitmore Drive • P.O. Box 9300 • Rockwall, Texas 75087 • USA • (972) 771-1000 • Fax: (972) 722-2108
An ISO 9001, ISO/TS 16949, and ISO 14001 Registered Company • <http://www.whitmores.com>

LIMITED WARRANTY: The Whitmore Manufacturing Company makes the Limited Express Warranty that at the date of delivery, its goods shall be free from defects in Whitmore's materials and workmanship and shall meet the express written statements of quality, if any, made by Whitmore in connection with the sale of the goods. Other than such Limited Express Warranty, there are no express warranties made with respect to the sale of goods and all implied warranties existing under the law are expressly disclaimed and negated, particularly, Whitmore NEGATES AND DISCLAIMS THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. All other liability, either in contract or tort, including without limitation, strict liability found in Section 402A of the Restatement of Torts or otherwise, is negated and disclaimed. The sole remedy for Whitmore's breach of such Limited Express Warranty shall be a refund of the purchase price of its goods, and Whitmore shall have no responsibility for incidental or consequential damages sustained as a result of the use of the goods, whether sustained to the goods themselves or to other property. Data listed are subject to usual manufacturing variations.