

CALIBER® 460 M

EXTREME-SERVICE GREASE with MOLY

Whitmore® Caliber® 460 M is a robust extreme pressure (EP) lithium complex grease containing molybdenum disulfide. It is designed primarily for earthmoving equipment and other heavy-duty rolling stock applications.

Whitmore has combined high oil viscosity with a synergistic blend of three solid lubricants to form a grease that can withstand high load and prevent scuffing or pitting of contact surfaces. Whitmore Caliber 460 M can be used with confidence no matter how rough the terrain.

The lithium complex thickener assures outstanding stability and water resistance.

Increased re-lubrication frequency will be necessary at sustained temperatures above 185°F (85°C).

Whitmore Caliber 460 M was certified by Bucyrus International (Caterpillar) for use on heavy duty ball, roller and plain bearings.

BENEFITS:

- **WATER-RESISTANT** - excellent resistance to washing out of bearings.
- **EXTREME PRESSURE** - protects against shock loads and scuffing of metal surfaces. Reduces parts replacement and downtime.
- **SEALS OUT DIRT AND CONTAMINANTS** - forms a protective barrier to reduce wear and extend lubricant life.
- **VERSATILE FORMULATION** - ideal for a wide range of equipment, including process machinery and industrial applications.

APPLICATIONS:

Whitmore Caliber 460 M is designed to lubricate the components of earthmoving equipment and rolling stock. It is recommended for wheel bearings, slewing bearings, vehicle chassis points and U-joints, as well as pivot points and bucket pins on earthmoving equipment. Whitmore Caliber 460 M has proven successful in lubricating Mill Stand bearings and Continuous Caster bearings in Steel Mills.

Whitmore Caliber 460 M EP 2 has been approved for use in central lubrication systems and for manual lubrication of Komatsu's PC3000, PC4000, PC5500, and PC8000 series excavators.

ASTM #		TYPICAL CHARACTERISTICS
	Grade	EP 2
D-217	Cone Penetration (Worked)	265-295
D-2265	Dropping Point, °F (°C)	450 (232)
D-445	Kinematic Viscosity (Base Oil + Polymer)	
	cSt @ 40°C	480
	cSt @ 100°C	35.4
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	7.57
	Specific Gravity, g/cc @ 60°F (15.5°C)	0.9076
D-2596	Four Ball EP	
	Weld Point, kg (minimum)	620
D-2266	Four Ball Wear, Scar Width, mm	0.57
D-4049	Water Spray-Off, % Loss	10
D-1264	Water Washout, % Loss @ 100°F (38°C)	<2
D-1743	Rust Test	Pass
D-4048 (Modified)	Copper Strip Corrosion for Greases	
	212°F (100°C) @ 3 hrs	1B
	Usable Temperature Range, °F (°C)	23 (-5) to 340 (170)
	Thickener	Lithium Complex

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

PACKAGING

Plastic Totes (Non-returnable)	Drums	Kegs	Pails	Cartridges 50 Count Case
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For warranty information, scan the QR code.

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