

### CALIBER™ M

#### EXTREME PRESSURE GREASE with MoS<sub>2</sub>

Whitmore's Caliber™ M is an extreme pressure lithium complex grease containing molybdenum. It is designed primarily for earthmoving equipment and other heavy-duty rolling stock applications. It meets the specifications of major OEM's including Caterpillar and Bucyrus International.

Caliber™ M has the extreme pressure capability to prevent wear in heavily loaded bushings and bearings.

Caliber™ 3M contains 3% solid lubricants and 5M contains 5%.

#### 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's Caliber™ 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. Caliber™ M will provide extended service intervals and reduced wear to draglines, shovels, excavators, trucks, conveyors, and other rolling stock, as well as in-plant applications.

ASTM #		TYPICAL CHARACTERISTICS			
		Caliber™ 3M & 5M			
	Grade	EP 00	EP 0	EP 1	EP 2
D-217	<b>Cone Penetration</b> (Worked)	400-430	355-385	310-340	265-295
D-2265	<b>Dropping Point</b> , °F (°C)	450 (232)	450 (232)	472 (244)	507 (264)
D-445	<b>Kinematic Viscosity</b> (Base Oil + Polymer)				
	cSt @ 40°C	260.8	260.8	260.8	260.8
	cSt @ 100°C	17.1	17.1	17.1	17.1
D-455	<b>Kinematic Viscosity</b> (Base Oil)				
	cSt @ 40°C	139	139	139	139
	cSt @ 100°C	11.1	11.1	11.1	11.1
Gardner Method	<b>Density</b> , lb/gal @ 60°F (15.5°C)	7.59	7.59	7.59	7.53
D-2596	<b>Four Ball EP</b> Weld Point, kg (Minimum)	400	400	400	620
D-2266	<b>Four Ball Wear</b> , Scar Width, mm	0.46	0.46	0.46	0.46
D-1264	<b>Water Washout</b> , % Loss	Not Tested	Not Tested	Not Tested	<3.5
D-1743	<b>Rust Test</b>	1,1,1 (Pass)	1,1,1 (Pass)	1,1,1 (Pass)	1,1,1 (Pass)
D-4048 (Modified)	<b>Copper Strip Corrosion for Greases</b> 212°F (100°C) @ 3 hrs	1B	1B	1B	2B
OEM	<b>Low Temperature Pumpability</b>				
Standard	Lincoln Ventmeter @ 400 psi, °F (°C)	Not Tested	-20 (-30)	8 (-13)	23 (-5)
	<b>Ambient temperature range</b> , °F (°C)	--	-20 (-30) to 70 (20)	8 (-13) to 95 (35)	23 (-5) to 110 (43)

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

#### PACKAGING

Shuttle Tanks	Nonreturnable Totes	Drums	Pails
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#### THE WHITMORE MANUFACTURING COMPANY

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Performance Under Pressure Since 1893

**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.