

CALIBER™ M EXTREME PRESSURE GREASE with MoS₂

Whitmore's Caliber™ M is a series of extreme pressure lithium complex greases that contain molybdenum. The series is designed primarily for use in draglines, shovels, drills, earthmoving equipment and other heavy-duty rolling stock applications.

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

Caliber™ 3M contains 3% molybdenum disulfide (MoS₂) and 5M contains 5%. These products meet CAT specs 1E2254 and 1E1487.

The Sub-Zero grade is currently available in the 3M version only.

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 mining machines, 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.

ASTM #		TYPICAL CHARACTERISTICS				
		Caliber™ 3M & 5M				
	Grade	Sub-Zero	EP 0	EP 1	EP 1.5	EP 2
D-217	Cone Penetration (Worked)	355-385	355-385	310-340	285-315	265-295
D-2265	Dropping Point, °F (°C)	450 (232)	450 (232)	472 (244)	475 (245)	507 (264)
D-445	Kinematic Viscosity (Base Oil + Polymer) cSt @ 40°C cSt @ 100°C	65	130	220	280	300
		9.5	13	19	20	21
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	7.59	7.59	7.59	7.56	7.53
D-2509	Timken OK Load, lb	65	65	65	65	65
D-2596	Four Ball EP Weld Point, kg (Minimum)	400	620	620	620	620
		0.52	0.52	0.52	0.52	0.52
D-2266	Four Ball Wear, Scar Width, mm	0.52	0.52	0.52	0.52	0.52
D-1264	Water Washout, % Loss	Not Tested	Not Tested	Not Tested	Not Tested	<3.5
D-1743	Rust Test	1,1,1 (Pass)	1,1,1 (Pass)	1,1,1 (Pass)	1,1,1 (Pass)	1,1,1 (Pass)
D-4048 (Modified)	Copper Strip Corrosion for Greases 212°F (100°C) @ 3 hrs	1B	1B	1B	2B	2B
OEM Standard	Low Temperature Pumpability Lincoln Ventmeter @ 400 psi, °F (°C)	-30 (-34)	-20 (-30)	8 (-13)	18 (-7)	23 (-5)
	Ambient temperature range, °F °C	-30 to 30	-20 to 50	-5 to 80	5 to 90	10 to 200
		-34 to -1	-30 to 10	-21 to 27	-15 to 32	-12 to 93

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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For warranty information, scan the QR code.
You can also email us at sales@whitmores.com
Or write to the Sales Department at the address below.

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