

## CALIBER™ 3M

### EXTREME PRESSURE GREASE with 3% MoS<sub>2</sub>

Whitmore's Caliber™ 3M 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™ 3M contains 3% MoS<sub>2</sub> (molybdenum disulfide) has the extreme pressure capability to prevent wear in very heavily loaded bushings and bearings.

NLGI grades 0, 1 and 2 are also available with 5% MoS<sub>2</sub> (Caliber™ 5M series)

**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™ 3M 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				
	Grade	Sub-Zero	EP 0	EP 1	EP 1.5	EP 2
D-217	<b>Cone Penetration</b> (Worked)	355-385	355-385	310-340	285-315	265-295
D-2265	<b>Dropping Point</b> , °F (°C)	450 (232)	450 (232)	472 (244)	475 (245)	507 (264)
D-445	<b>Kinematic Viscosity</b> (Base Oil + Polymer) cSt @ 40°C cSt @ 100°C	65 9.5	130 13	220 19	280 20	300 21
<b>Gardner Method</b>	<b>Density</b> , lb/gal @ 60°F (15.5°C)	7.59	7.59	7.59	7.56	7.53
D-2509	<b>Timken OK Load</b> , lb	65	65	65	65	65
D-2596	<b>Four Ball EP</b> Weld Point, kg (Minimum)	400	620	620	620	620
D-2266	<b>Four Ball Wear</b> , Scar Width, mm	0.66	0.66	0.66	0.66	0.66
D-1264	<b>Water Washout</b> , % Loss	Not Tested	Not Tested	Not Tested	5	<3.5
D-1743	<b>Rust Test</b>	1,1,1 (Pass)	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	2B
<b>OEM Standard</b>	<b>Low Temperature Pumpability</b> Lincoln Ventmeter @ 400 psi, °F (°C)	-22 (-30)	-15 (-26)	8 (-13)	18 (-7)	23 (-5)
	<b>Ambient temperature range</b> , °F °C	-30 to 30 -34 to -1	-20 to 50 -30 to 10	-5 to 80 -21 to 27	5 to 90 -15 to 32	10 to 200 -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](mailto:sales@whitmores.com)  
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