

## CALIBER™ M

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

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% 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 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                                                                 | EP 00                   | Sub-Zero               | EP 0                   | EP 1                  | EP 2                    |
| D-217             | Cone Penetration (Worked)                                             | 400-430                 | 355-385                | 355-385                | 310-340               | 265-295                 |
| D-2265            | Dropping Point, °F (°C)                                               | 450 (232)               | 450 (232)              | 450 (232)              | 472 (244)             | 507 (264)               |
| D-445             | Kinematic Viscosity (Base Oil + Polymer)<br>cSt @ 40°C<br>cSt @ 100°C | 130                     | 65                     | 130                    | 220                   | 300                     |
|                   |                                                                       | 13                      | 9.5                    | 13                     | 19                    | 21                      |
| Gardner Method    | Density, lb/gal @ 60°F (15.5°C)                                       | 7.59                    | 7.59                   | 7.59                   | 7.59                  | 7.53                    |
| D-2509            | Timken OK Load, lb                                                    | 65                      | 65                     | 65                     | 65                    | 65                      |
| D-2596            | Four Ball EP<br>Weld Point, kg (Minimum)                              | 400                     | 400                    | 620                    | 620                   | 620                     |
| 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<br>212°F (100°C) @ 3 hrs           | 1B                      | 1B                     | 1B                     | 1B                    | 2B                      |
| OEM Standard      | Low Temperature Pumpability<br>Lincoln Ventmeter @ 400 psi, °F (°C)   | Not Tested              | -30 (-34)              | -20 (-30)              | 8 (-13)               | 23 (-5)                 |
|                   | Ambient temperature range,<br>°F<br>°C                                | -30 to 20<br>-34 to 7   | -30 to 30<br>-34 to -1 | -20 to 50<br>-30 to 10 | -5 to 80<br>-21 to 27 | 10 to 355<br>-12 to 180 |

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 |
|---------------|---------------------|-------|-------|

For warranty information, scan the QR code.  
You can also email us at [sales@whitmores.com](mailto:sales@whitmores.com)  
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