

CALIBER™ 5M EXTREME PRESSURE GREASE with 5% MoS₂

Whitmore's Caliber™ 5M 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™ 5M contains 5% MoS₂ (molybdenum disulfide) has the extreme pressure capability to prevent wear in very heavily loaded bushings and bearings.

Caliber™ 5M meets CAT specs 1E2254 and 1E1487.

All grades are also available with 3% MoS₂ (Caliber™ 3M).

Note: For operations in extreme cold see data sheet for Caliber™ 3M. See especially the Sub-Zero grade.

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™ 5M 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 # | Grade | TYPICAL CHARACTERISTICS | | | |
|-------------------|---|-------------------------|-----------------------|----------------------|------------------------|
| | | EP 0 | EP 1 | EP 1.5 | EP 2 |
| D-217 | Cone Penetration (Worked) | 355-385 | 310-340 | 285-315 | 265-295 |
| D-2265 | Dropping Point, °F (°C) | 450 (232) | 472 (244) | 475 (245) | 507 (264) |
| D-445 | Kinematic Viscosity (Base Oil + Polymer) cSt @ 40°C cSt @ 100°C | 130 13 | 220 19 | 280 20 | 300 21 |
| Gardner Method | Density, lb/gal @ 60°F (15.5°C) | 7.59 | 7.59 | 7.56 | 7.53 |
| D-2509 | Timken OK Load, lb | 65 | 65 | 65 | 65 |
| D-2596 | Four Ball EP Weld Point, kg (Minimum) | 620 | 620 | 620 | 620 |
| D-2266 | Four Ball Wear, Scar Width, mm | 0.40 | 0.40 | 0.40 | 0.40 |
| D-1264 | Water Washout, % Loss | Not Tested | Not Tested | 5 | <3.5 |
| D-1743 | Rust Test | 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 | 2B | 2B |
| OEM Standard | Low Temperature Pumpability Lincoln Ventmeter @ 400 psi, °F (°C) | -15 (-26) | 8 (-13) | 18 (-7) | 23 (-5) |
| | Ambient temperature range, °F °C | -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 |
|---------------|---------------------|-------|-------|

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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