

CALIBER® 5M

EXTREME PRESSURE GREASE with 5% MoS₂

Whitmore® 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.

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

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 Arctic 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 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 #		TYPICAL CHARACTERISTICS		
	Grade	EP 0	EP 1	EP 2
D-217	Cone Penetration (Worked)	355-385	310-340	265-295
D-2265	Dropping Point, °F (°C)	500 (260)	>500 (260)	>500 (260)
D-445	Kinematic Viscosity (Base Oil + Polymer) cSt @ 40°C cSt @ 100°C	145 11	460 32	460 32
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	7.59	7.40	7.45
D-2596	Four Ball EP Weld Point, kg (Minimum)	800	800	800
D-2266	Four Ball Wear, Scar Width, mm	0.50	0.50	0.50
D-1264	Water Washout, % Loss	<5	<5	<2.5
D-1743	Rust Test	Pass	Pass	Pass
D-4048 (Modified)	Copper Strip Corrosion for Greases 212°F (100°C) @ 3 hrs	1B	1B	1B
	Thickener Type	Lithium	Lithium	Lithium
OEM Standard	Low Temperature Pumpability Lincoln Ventmeter @ 400 psi, °F (°C)	-30 (-34)	8 (-13)	14 (-10)
	Ambient temperature range, °F °C	-20 to 50 -30 to 10	-5 to 80 -21 to 27	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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