



TECHNICAL DATA SHEET

CALIBER™ BLUE HEAVY DUTY GREASE

Whitmore's Caliber™ Blue is primarily designed for use in heavy earthmoving and industrial equipment. The high protection from extreme pressure makes it suitable for use anywhere high load is encountered.

The HS 2 grade contains a lower viscosity oil for use in higher speed bearings.

Protection from wear under high load is accomplished by the use of SL-Tech™, a proprietary blend of light-colored solid lubricants. This forms a protective cushion and provides greater extreme pressure properties than MoS2 or graphite. Protection is further enhanced by the use of selected additives that increase film strength and adhesive.

The usable temperature range for Caliber™ Blue is from -35°F (-37°C) to 230°F (104°C).

BENEFITS:

- VERSATILE FORMULATION - one grease can cover all normal ambient temperature applications in the slow to medium speed range.
- EXTREME PRESSURE/ANTI-WEAR - protects against scoring, high shock load conditions, thus reducing downtime and costs of replacement parts.
- SAFE – contains no heavy metals or hazardous ingredients.

APPLICATIONS:

Caliber™ Blue grease is ideal for heavy-duty plant lubrication, earthmoving equipment and any application involving extreme pressure. For bearing DN speeds over 100,000 use HS 2. The HS 2 grade may be used up to DN 250,000.

For the most severely loaded applications such as bearings on vertical roller mills, pelletizing mills or shaker screens, use Whitmore's Matrix™ EP 2.

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)	--	380 (193)	380 (193)
D-445	Kinematic Viscosity (with Polymer) cSt @ 40°C cSt @ 100°C	108.4 12.1	800.0 61.0	800.0 61.0
D-2270	Viscosity Index	101	140	140
Gardner Method	Density, lb/gal @ 60°F (15.5°C) Specific Gravity, g/cc @ 60°F (15.5°C)	7.79 0.935	7.74 0.930	7.75 0.931
D-2596	Four Ball EP Weld Point, kg	500	620	800
D-2266	Four Ball Wear Scar Width, mm	0.50	0.65	0.65
D-1264	Water Washout, % Loss	Not Applicable	7.3	3.6
D-1743	Rust Test	Pass	Pass	Pass
	Usable Temperature Range, °F °C	-35 to 60 -37 to 16	18 to 230 -8 to 110	23 to 230 -5 to 110
	Thickener Type	Lithium - Calcium	Lithium - Calcium	Lithium - Calcium
	Color	Blue	Blue	Blue

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Drums	Kegs	Pails	Cartridges 50 Per Case
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THE WHITMORE MANUFACTURING COMPANY

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