

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 high viscosity base oil assures a robust lubricating film. 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 protection from extreme pressure than MoS2 or graphite. Protection is further enhanced by the use of selected additives that increase film strength and adhesive properties.

The usable temperature range for Caliber™ Blue is from 0°F (-18°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 #	Grade	TYPICAL CHARACTERISTICS			
		EP 0	EP 1	EP 2	HS 2
D-217	Cone Penetration (Worked)	355-385	310-340	265-295	265-295
D-2265	Dropping Point , °F (°C)	403 (206)	380 (193)	380 (193)	404 (207)
D-445	Kinematic Viscosity (with Polymer)				
	cSt @ 40°C	108.4	800.0	800.0	193.0
	cSt @ 100°C	12.1	61.0	61.0	13.0
D-2270	Viscosity Index	101	140	140	--
Gardner	Density , lb/gal @ 60°F (15.5°C)	7.79	7.74	7.75	8.28
Method	Specific Gravity , g/cc @ 60°F (15.5°C)	0.935	0.930	0.931	0.987
D-2596	Four Ball EP				
	Weld Point, kg	500	620	620	620
D-2266	Four Ball Wear				
	Scar Width, mm	0.60	0.65	0.65	0.43
D-1264	Water Washout , % Loss	Not Applicable	7.3	3.6	4.6
D-1743	Rust Test	Pass	Pass	Pass	Pass
OEM	Low Temperature Pumpability				
Standard	Lincoln Ventmeter @ 400 psi, °F (°C)	-25 (-32)	NA	50 (10)	40 (4)
	Thickener Type	Lithium - Calcium	Lithium - Calcium	Lithium - Calcium	Lithium
	Color	Blue	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

930 Whitmore Drive • P.O. Box 9300 • Rockwall, Texas 75087 • USA • (972) 771-1000 • Fax: (972) 722-2108
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Performance Under Pressure Since 1893

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