



DURA-FILM™ XD AUTOMATIC SYSTEM GREASE

Whitmore's Dura-Film™ XD high performance grease is designed to protect equipment under the most severe conditions of high load, shock load, water, and chemical attack. The base fluid is a blend of synthetic polyalphaolefin (PAO) oils for ease of pumping at low temperature. The addition of synthetic polymers gives adhesion to metal.

Dura-Film™ XD provides extreme pressure protection equal to what is possible using sulfur-phosphor additives, but without the corrosive effect inherent in these conventional materials. The calcium sulfonate thickener provides a natural anti-wear barrier that acts in a similar manner to molybdenum disulfide (MoS₂) in protecting equipment under the most difficult conditions of high load and shock load.

Dura-Film™ XD protects from corrosion. Even in the presence of strong acids, Dura-Film™ XD will keep bearings looking new after months of exposure. This makes the product ideal for use in phosphate processing, pulp and paper, and other operations where moisture and corrosive chemicals shorten bearing life.

Dura-Film™ XD is easily pumped in central lubrication systems and performs well at low temperatures.

Dura-Film™ XD performs well in operations that are wet, dusty, hot, acidic, or alkaline (caustic). Dura-Film™ XD should be considered for use in any situation where bearings are failing, either from high load conditions, contamination, or high heat.

BENEFITS:

- **CORROSION RESISTANT** - protects metal surfaces from water and chemicals including acids, detergent wash, and alkaline wash.
- **LONG LIFE** - certain additives can cause a grease to deteriorate as they break down. These are absent in Dura-Film™ XD.
- **WATER-RESISTANT** - resists thinning out when water enters the body of the grease. Very high resistance to water washout.
- **WIDE SPEED RANGE** - suitable for use in both slow moving and high-speed bearings.

APPLICATIONS:

Wet Operations: Phosphate processing, suction and wet end rolls on paper machines, outdoor cranes.

Highly Loaded Equipment: Draglines, Electric Mining Shovels, shaker screens, centrifuges, hammer mills.

Due to its very low tendency to bleed oil, Dura-Film™ XD is highly recommended for single point automatic lubricators.

ASTM #	Grade	TYPICAL CHARACTERISTICS
D-217	Cone Penetration (Worked)	1 310-340
D-2265	Dropping Point, °F (°C)	555 (291)
D-445	Kinematic Viscosity (Base Oil with Polymer) cSt @ 40°C cSt @ 100°C	150 22
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	8.39 1.0077
D-2596	Four Ball EP Weld Point, kg Load Wear Index	620 119
D-2266	Four Ball Wear Scar Width, mm	0.43
D-4048 Modified	Copper Strip Corrosion 212°F (100°C) @ 3 hrs	1B
FTM 321.2	Screen Bleed, % Loss	<1
OEM Standard	Thickener Type Low Temperature Pumpability, Lincoln Ventmeter @ 400 psi, °F (°C)	Calcium Sulfonate -20 (-29)

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

PACKAGING

Bulk	Drums	Pails	Cartridges (50 per case)
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THE WHITMORE MANUFACTURING COMPANY

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