

THE THERMAL-LUBE

HIGH-PERFORMANCE SYNTHETIC GREASE SLOW MELTING FOR HIGH TEMPERATURES

XL0701

June 2022

XL0701 is a calcium sulfonated grease incorporating a proprietary new viscosity stabilizing polymer that increases lubricity without sacrificing adhesiveness at high temperatures. It will prevent friction between surfaces when the machines are stopped, during the break-in period, and during an intermittent operation.

XL0701 is characterized by its exceptional mechanical stability and resistance to continuous high pressures at low operating speeds. **XL0701** functions well under very high loads (high E.P.), rejects water, resists oxidation, and inhibits corrosion.

XL0701 grease performs extremely well over a wide temperature range (-28°C to 265°C).

TYPICAL APPLICATIONS:

- Open gears both lateral and vertical
- Gears and bushings exposed to water (such as wet end of paper machine)
- Heavy machinery
- Fifth wheel
- Industrial equipment in an adverse environment or under heavy load
- Bearing operating at low rpm
- Rotary joints
- Crusher bearings

TYPICAL SPECIFICATIONS

Product Code: XL0701	/401	/400
N.L.G.I. Grade:	1 – 1.5	2
Penetration (after 60 strokes) @ 25°C (ASTM D217)	310 – 325	265 – 295
Dropping Point (°C) (ASTM D2265)	300	300
Oil Separation (24hrs @ 25°C) (ASTM D1742)	0.17%	0.5%
Operating Temperature Range (°C)	-28 to 265	-28 to 265
Minimum Pumping Temperature (°C)	-15	-15
Base Oil Viscosity (cSt @ 40°C) (ASTM D445) (cSt @ 100°C) (ASTM D445)	1700 95	460 34
Base Oil Viscosity Index	132	108
Additives	EP, AO, Graphite, Molybdenum	
Roll Stability Penetration (ASTM D1831)	+19	
4 Ball Wear Test, m/m scar, 40kg, 1200rpm, 75°C, 1 h (ASTM D2266)	0.36	
4 Ball EP Test, LWI (kg) (ASTM D2596)	500+	
Rust Test (48hrs @ 52°C) (ASTM D1743)	1,1,1	
Water Washout @ 79°C (% loss) (ASTM D1264)	2.75	
Colour	Black/Grey	
Oxidation Stability (ASTM D942) @ 100 hrs @ 500 hrs @ 1,000 hrs	0 PSI 2 PSI 9 PSI	



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