

## XL-0700

# SYNTHETIC SLOW MELTING GREASE

**XL-0700** is a synthetic hybrid calcium sulfonate grease, that demonstrates exceptional mechanical stability and resistance to both continuous high and extreme low temperatures (-60 to 260°C).

**XL-0700** is fully formulated with the latest in EP additive technology and functions very well under high loads. The unique thickening structure virtually eliminates water washout, resists oxidation and inhibits corrosion.

TYPICAL APPLICATIONS:	
• Bearings exposed to high temperatures	• Industrial equipment in an adverse environment or under heavy load
• Bearings exposed to low temperatures	• Bearing operating at low or high rpm
• Bearings exposed to water (such as wet end of paper machine)	• Electric motors
• Calendar rolls	• Rotary joints
• Heavy machinery	• Crusher bearings
• Gear boxes requiring greases	• Fifth Wheel
• Roller bearings	

TYPICAL SPECIFICATIONS						
Product Code: XL-0700	/015	/002	/046	/220	/402	/802
N.L.G.I. Grade:	1.5	2	2	2	2	2
Penetration (after 60 strokes) @ 25°C (ASTM D-217)	303	275	275	275	280	285
Dropping Point (°C) (ASTM D-2265)	300	300	300	300	>300	300
Timken OK Load (kg) (ASTM D-2509)	27	27	27	27	27	27
Oil Separation (24hrs @ 25°C) (ASTM D-1742)	0.1%	0.1%	0.1%	0.1%	0.17%	0.1%
Temperature Range (°C)	-60 to 250	-60 to 250	-42 to 260	-26 to 265	-28 to 265	-60 to 250
Minimum Dispensing Temperature (°C)	-60	-40	n/a	-25	-15	-35
Base Oil Viscosity (cSt @ 40°C) (ASTM D-445)	98	220	43.8	226	475	15
Base Oil Viscosity (cSt @ 100°C) (ASTM D-445)	11.3	21.5	7.1	25.5	38.5	3.5
Additives				EP, AW, R&O		
Roll Stability Penetration (ASTM D-1831)	+19	+19	+19	+19	+19	+19
4 Ball Wear Test, m/m scar, 40kg, 1200rpm, 75°C, 1 h (ASTM D-2266)	0.32	0.32	0.39	0.32	0.36	0.32

<b>TYPICAL SPECIFICATIONS</b>						
4 Ball EP Test, LWI (kg) (ASTM D-2596)	500	500	500	500	500	500
Rust Test (48hrs @ 52°C) (ASTM D-1743)	1,1,1	1,1,1	1,1,1	1,1,1	1,1,1	1,1,1
Water Washout @ 79°C (% loss) (ASTM D-1264)	2.75	2.5	2.5	2.5	2.75	2.75
Oxidation Stability (ASTM D-942) @ 100 hrs			0 PSI			
Oxidation Stability (ASTM D-942) @ 500 hrs			2 PSI			
Oxidation Stability (ASTM D-942) @ 1,000 hrs			9 PSI			