

THE THERMAL-LUBE

SYNTHETIC XEP POLYON GREASE

XL1845

July 2022

XL1845 is a carefully homogenized blend of synthetic bases combined with PTFE. And oxy-molybdenum, as well as E.P. (extreme pressure) additives.

XL1845 is a superior waterproof non-melting grease, which measures 90lbs plus on the Timken Load test.

The additives used in the blending of **XL1845** have been designed to give the greatest adherence to metallic surfaces. **XL1845** virtually eliminates direct surface-to-surface contact of metal parts when machines are idle, during initial start-up, and during intermittent use. **XL1845** is resistant to acids, alkali and saltwater. This grease is recommended for severe environmental conditions as well as heavy loads.

XL1845 is available in several NLGI Grades and can be formulated with a range of base oil viscosities.

XL1845 is recommended for the following:

- Bearings
- Conveyers
- 5th wheel
- Chassis
- Heavy equipment
- All season lubrication
- High and low speed motors
- Pulp & Paper industry
- Textile finishing
- Steel mills
- Marine equipment

TYPICAL SPECIFICATIONS	
Product Code: XL1845	(General Specifications)
Dropping Point (°C) (ASTM D2265)	None
Copper Strip Test (163°C for 3 hours)	Negative*
Texture	Adhesive / Tacky
Type of thickener	Clay / Silica*
Oil Separation (24hrs @ 25°C) (ASTM D1742)	< 1%**
Additives	PTFE, Oxy-Molybdenum
Temperature Range (°C)	-40 to 200
Toxicology	Not controlled

* Except 400 Series
* Except 600 Series



255 Ave Labrosse, Pointe-Claire, Québec, Canada H9R 1A3

T: +1.514.694.5823; www.thermal-lube.com

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PRODUCT SPECIFICATIONS

Product Code: XL1845	/000	/001	/002	/003
N.L.G.I. Grade:	0	1	2	3
Base Oil Viscosity (cSt @ 40°C) (ASTM D445) (cSt @ 100°C) (ASTM D445)	160 21.7	160 21.7	160 21.7	160 21.7
Penetration @ 25°C (ASTM D217) After 60 strokes After 10,000 strokes After 60,000 strokes	355 370 375 377	325 331 335 343	265 268 273 275	240 240 247 255
Minimum Temperature (°C)	-40	-40	-30	-15
Maximum Temperature (°C)	270	270	270	270
Timken OK Load (kg (lbs)) (ASTM D-2509)	35 (75)	45 (99)	45 (99)	45 (99)
Colour	White yellow			

Product Code: XL1845 (100-200 Series)	/102	/152	/201	/202	/203
N.L.G.I. Grade:	2	2	1	2	3
Base Oil Viscosity (cSt @ 40°C) (ASTM D445)	270	316	220	220	220
Penetration @ 25°C (ASTM D217) After 60 strokes After 10,000 strokes After 60,000 strokes	270 285 290 295	265 268 273 275	330 333 335 343	270 272 273 275	242 241 247 255
Minimum Temperature (°C)	-50	-20	-16	-18	-15
Maximum Temperature (°C)	215	280	270	270	270
Timken OK Load (ASTM D2509)	45 +	40kg (90lbs)			
Colour	White-yellow	Tan		White-yellow	

Product Code: XL1845 (300 Series)	/321	/322	/323
N.L.G.I. Grade:	1	1.5	2
Base Oil Viscosity (cSt @ 40°C) (ASTM D445) (cSt @ 100°C) (ASTM D445)	335 29	335 29	335 29
Penetration @ 25°C (ASTM D217) After 60 strokes After 10,000 strokes After 60,000 strokes	355 370 375 375	290 297 300 305	265 270 270 274
Minimum Temperature (°C)	-18	-18	-15
Maximum Temperature (°C)	260	260	260
Timken OK Load (ASTM D2509)	40kg (90lbs)		
Colour	White-yellow		



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PRODUCT SPECIFICATIONS

Product Code: XL1845 (400 Series)	/402	/440	/441	/442	/443	/462
N.L.G.I. Grade:	2	0	1	2	3	1.5
Base Oil Viscosity (cSt @ 40°C) (ASTM D445) (cSt @ 100°C) (ASTM D445)	400 24	460 32	460 32	460 32	460 32	46 8
Penetration @ 25°C (ASTM D217) After 60 strokes After 10,000 strokes After 60,000 strokes	270 285 290 295	355 370 375 377	325 331 335 343	265 268 273 275	240 240 247 255	285 291 310 320
Minimum Temperature (°C)	-40	-10	-10	0	12	-54
Maximum Temperature (°C)	215	270	270	270	270	215
Timken OK Load (kg) (ASTM D2509)	45+					
Type of thickener	Clay / Calcium Sulfonate					
Colour	White yellow					

Product Code: XL1845 (600 Series)	/602	/680	/681	/682
N.L.G.I. Grade:	1.5	0	1	1.5
Base Oil Viscosity (cSt @ 40°C) (ASTM D445)	60	68	68	68
Penetration @ 25°C (ASTM D217) After 60 strokes After 10,000 strokes After 60,000 strokes	285 291 310 320	361 365 370 375	325 331 334 340	285 291 310 320
Minimum Temperature (°C)	-54	-58	-55	-50
Maximum Temperature (°C)	215	215	215	215
Timken OK Load (kg) (ASTM D2509)	45+			
Type of thickener	Clay			
Color	Yellow or Purple			



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