



Lubex-Syn

Full Synthetic Grease

Features & benefits

- PAO base oils
- Extreme pressure additives
- Meets NLGI GC-LB – Lubex Syn 2 (100) only
- Extreme Pressure (EP) properties
- Handles high loads
- Natural rust inhibition
- Shear resistant
- Very good corrosion protection
- High dropping point



Typical results

Test method	Lubex-Syn 2 (46)	Lubex-Syn 2 (100)	Lubex-Syn 1.5 (460)
GC/LB	-	✓	-
THICKENER TYPE (D128)	Calcium Sulfonate		
COLOUR / APPEARANCE	Light Brown / Smooth		
NLGI GRADE	2	2	1.5
VISCOSITY, OIL COMPONENT (D445), cSt @ 40°C	41.4 – 50.6	90 – 110	414 – 506
TIMKEN OK LOAD (D2509), lbs.	60	55 min	-
WATER WASHOUT (D1264), % loss	<1.0	<1.0	<1.0
CONE PENETRATION @25°C (D217), 0.1mm			
Worked 60 Strokes	265 – 295	265 – 295	290 – 310
Worked 100,000 Strokes	255 – 305	255 – 305	280 – 320
OPERATING TEMPERATURE, °C	-40 to 232	-40 to 232	-34 to 232
4-BALL EP TEST WELD POINT (D2596), kg	500 min	800+	500 min
LOAD WEAR INDEX (D2596)	>100	140+	>100
COPPER CORROSION (D130)	-	1b	-
4-BALL WEAR SCAR DIAM. (D2266), mm	0.45	0.40	0.45
DROPPING POINT (D2265), °C	302 min	327 min	302 min
RUST PREVENTION (D1743)	Pass	Pass	Pass
OIL SEPARATION (D1742), %	-	<1	-
ROLL STABILITY (D1831), % change	4	1.0 max	4
OXIDATION RESISTANCE, 1000 hrs (D942), psi drop	6	-	-

Sizes & order codes

Size	Lubex-Syn 2 (46)	Lubex-Syn 2 (100)	Lubex-Syn 1.5 (460)
Box 10, 400 g Tubes	FG001312	FG006812	FG004512
17 kg / 37.5 lbs. Pail	FG001340	-	-
55 kg / 121.3 lbs. Keg	-	FG006845	FG004545
180 kg / 396.8 lbs. Drum	FG001350	FG006850	FG008850

Lubex-Syn are full synthetic greases containing calcium sulfonate complex thickeners and synthetic PAO base oils.

Lubex-Syn formulations offer excellent pumpability and low starting and running torques to minimize power drain on the start-up of machinery at low temperatures in winter months. It has high oxidation resistance and thermal stability, high dropping point and low evaporation loss at high temperatures. Lubex Syn provides excellent extreme pressure (EP) protection against wear, high loads, rust and corrosion.

Lubex-Syn will give a longer life than conventional EP greases extending the time interval before re-greasing and reducing maintenance costs.

Applications

Lubex-Syn can be used in the following industries: Forestry, Fleet, Construction Mining & Drilling, Paper and Rail.

Forestry: Feller bunchers, harvesters and knuckle boom loaders

- Blade shaft, turret and track-roller bearings
- Linkages/stabilizers and control linkages

Telehandlers:

- Tine pivots, boom slides, control linkages and tine-width ball screws

Fleet: Truck and trailer

- Wheel bearings and chassis – Syn 2 (100)

Construction/Mining: Crushers, shakers, screeners

- Drive shaft couplings
- Conveyor and ball mill/crusher end cap bearings

Paper Mills: Syn 1.5 (460)

- Paper machine wet- and dry-end bearings
- Calendar stack and press section bearings

Electric Motor Lubrication: Syn 2 (100)

Rail: Syn 2 (46)

- Switch plate gearboxes/drives

Always consult your owner's manual for verification of fluid type and grade.
Check with sales associate for the latest product approvals and acceptable performance data.

Please note these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to December 20, 2024.

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