

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	Calcium Sulfonate		
NLGI GRADE	2	2	1.5
COLOUR / APPEARANCE	Light Brown / Smooth		
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 (D217), (0.1 mm) @ 25°C Worked 60 Strokes Worked 100,000 Strokes	265 – 295 255 – 305	265 – 295 255 – 305	290 – 310 280 – 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 (D2266) Wear scar diam. (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	-	-



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 knuckleboom loaders

- Blade shaft, turret, tracker 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 and 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!

Supporting data available to demonstrate acceptable performance. Check with your sales associate for latest product approvals.

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

This data sheet replaces previous versions prior to Oct 8, 2024.

www.irvingoil.com/lubricants 1.800.574.5823

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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 lb Pail	FG001340	-	-
55 kg / 121.3 lb Keg	-	FG006845	FG004545
180 kg / 396 lb Drum	FG001350	FG006850	FG008850



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