



LUBEX SYN

Features

- PAO based
- Broad application temperature range
- High dropping point
- Good pumpability at low temperature

Benefits

- Low power drain on start-up in cold weather
- Excellent protection against EP, corrosion and rust
- Extended life
- Less re-greasing for lower labour costs

LUBEX SYN are synthetic greases that use patented Calcium Sulfonate complex thickener technology along with a synthetic PAO* oil to offer particular benefits not open to conventional greases.

PAO generally has several advantages over mineral oils. Among these are a naturally high useful operating temperature range, very low pour point, excellent fluidity at low temperatures and a high natural resistance to oxidation and other degrading effects of high temperature.

LUBEX SYN is recommended for use wherever extreme temperatures call for a grease with extended performance. In addition, at normal temperatures, and where contamination can be avoided, **LUBEX SYN** will give a longer life than conventional EP greases extending the time interval before re-greasing is required and reducing both grease and manpower costs.

At low temperatures, **LUBEX SYN** is able to offer excellent pumpability, useful when dispensing the grease in winter, along with low starting and running torques to minimise power drain on start-up of machinery.

At high temperatures, **LUBEX SYN** is very resistant to oxidation, which is the prime factor limiting a grease's useful life, and the synthetic oil will evaporate less than a mineral oil of the same grade. The special thickener also gives a very high dropping point: This is the temperature at which the thickener melts and loses its ability to hold the oil in a semi-solid state.

LUBEX SYN greases, as with all Irving Lubex greases, also give excellent protection against wear and high loads (Extreme Pressure), as well as unmatched protection against rust and corrosion. This is achieved without the use of traditional chemical additives in the oil phase of the grease. For this reason, **LUBEX SYN 2(100)** is suitable not only for general plant lubrication but also for electric motor lubrication, even in wet environments, since the grease is excellent at preventing corrosion and because there are no aggressive chemicals to attack the windings should the grease find its way inside the motor.



Typical Performance Results

NAME	(0) 46	(2) 46	(2) 100	(1.5) 460
NLGI GRADE	0	2	2	1.5
COLOUR	IVORY	YELLOW	YELLOW	TAN
WORKED PENETRATION @ 25°C (D-217)				
60 Strokes	350	280	280	305
10,000 Strokes	n.d.	n.d.	n.d.	302
100,000 Strokes	n.d.	286	285	306
SHELL ROLL (D-1831)				
CHANGE IN CONSISTENCY (%)	n.d.	3.7	3.6	3.7
VISCOSITY, OIL COMPONENT (D-445)				
cSt @ 40°C	46	46	100	400
cSt @ 100°C	8	8	14	39.1
VISCOSITY INDEX, OIL COMPONENT (D-2270)	146	146	142	146
DROPPING POINT (°C) (D-2265)	270	300+	300+	300+
4-BALL EP TEST (D-2596)				
LOAD WEAR INDEX	n.d.	62	62	65
WELD POINT (KG)	n.d.	500	500	500
4-BALL WEAR TEST SCAR. DIAM (mm)(D-2266)				
40 KG, 1200 RPM, 1 Hr. @ 75°C	n.d.	0.43	0.43	0.42
OXIDATION RESISTANCE (D-942)				
PSI DROP, 1000 HRS	n.d.	6	n.d.	n.d.
RUST PREVENTION (D-1743)	PASS	PASS	PASS	PASS
LOW TEMP. TORQUE @ -40°C NM (D-4693)	n.d.	2.5	n.d.	n.d.
@ -40°C gm cm. (D-1478)				
START	n.d.	5605		n.d.
10 MINS.	n.d.	3127	n.d.	
60 MINS.	n.d.	236		
HIGH TEMP. BEARING LIFE				
Hrs. TO FAILURE @ 180°C (D-3336)	n.d.	2000	n.d.	n.d.
Hrs. TO FAILURE @ 160°C (D-3527)	n.d.	n.d.	n.d.	320
OPERATING TEMP. RANGE (°C)	-55/175	-55/200	-40/205	-30/215
MINIMUM DISPENSING TEMP. (°C)	-45	-35	-30	-20
SEPERATION % wt. (D-1742)	n.d.	0.1	<0.1	Nil

Available Package Sizes

LUBEX SYN (0) 46

- 55Kg (121.3 lb.) Keg

LUBEX SYN (2) 46

- 17Kg (37.5 lb.) Pail
- 55Kg (121.3 lb.) Keg
- 180Kg (396.8 lb.) Drum

LUBEX SYN (2) 100

- 55Kg (121.3 lb.) Keg
- 180Kg (396.8 lb.) Drum

LUBEX SYN (1.5) 460

- 17Kg (37.5 lb.) Pail
- 55Kg (121.3 lb.) Keg
- 180Kg (396.8 lb.) Drum

