

LUBEX SYN

Synthetic Grease



Features

- PAO based
- Broad application temperature range
- High dropping point
- Good pump-ability 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 labor 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 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 pump-ability, useful when dispensing the grease in winter, along with low starting and running torques to minimize 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

NLGI GRADE	2	2	1.5
COLOUR	TAN	TAN	TAN
WORK PENETRATION (D-217) @ 25°C, 60 strokes 10,000 strokes (% change) 100,000 strokes (% change)	265-295 280 n.d. 286	280 n.d. 285	290-320 290 4.48 7.59
SHELL ROLL STABILITY (D-1831) (% change)	3.7	3.6	3.7
VISCOSITY (D-445) cSt @ 40°C	42-50	100	414-506
VISCOSITY INDEX, OIL COMPONENT (D-2270)	135 Min	142 Min	135 Min
DROPPING POINT (D-2265) (°C)	287	300+	287
4-BALL EP TEST (D-2596) LOAD WEAR INDEX WELD POINT (Kg)	62 500	62 500	65 500
4-BALL WEAR TEST (D-2266) SCAR DIAM. (mm)	0.43	0.43	0.45 Max
OXIDATION RESISTANCE (D-942) PSI DROP, 100 Hours	n.d.	n.d.	n.d.
RUST PREVENTION (D-1743)	PASS	PASS	PASS
LOW TEMP TOURQUE @ -40 (°C)NM (D-4693)	4.7	n.d.	4.3
OPERATING TEMPERATURE RANGE (°C)	-40/245	-40/205	-40/245
MINIMUM DISPENSING TEMP (°C)	-40	-30	-40
SEPERATION % wt. (D-1742)	2.5	0.1	2.7

Available sizes & part numbers

Lubex Synthetic	17Kg Pail (37.5LB)	55Kg KEG (121.3 KG)	180Kg Drum (396 KG)	400G Case
LUBEX SYN (2) 46	FG001340	FG001345	FG001350	FG001312
LUBEX SYN (2) 100		FG006845	FG006850	FG006812
LUBEX SYN (1.5) 460	FG004540	FG004545	FG004550	FG004512



Lubricants

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