LUBRICANT

Technical Data Sheet

Previous Name: **Grease EP**

EA LUBEX LS EP

- *Extra Protection*
- *Industrial Application*

High Performance Extreme Pressure Grease

LUBEX LS EP Grease industrial is made from deeply refined mineral oil with extreme pressure additives, rust and oxidation inhibitors.

DESIGNED TO MEET CHALLENGES

Description

LUBEX LS EP is premium grease developed to meet the growing demand for higher quality multipurpose grease. Its complex thickener gives a wide range of performance benefits over a variety of applications. Grease can be considered as a suspension of oil in a matrix. The matrix can be formed in oil by the reaction of an acid and a base, producing what is called soap. Complex grease is made when several different ingredients are used.

LUBEX LS EP is remarkable in its ability to overcome most of the traditional weaknesses of greases. It has excellent mechanical stability under repeated mechanical stress and shows little tendency to separate. It has good resistance to water, making it a good choice where water contamination is unavoidable. The grease is able to give top-level protection from extreme pressure (EP) load wear and damage, as well as protection from corrosion and rust. It has a very high dropping point and excellent resistance to oxidation.

LUBEX LS EP is available in 3 standard NLGI (National Lubricating Grease Institute) grades. Grades are primarily used to indicate the pumpability of the grease. Grade 0 is suitable for winter conditions and instances when the grease has to be pumped through long supply lines or to the spray nozzles of a centralized lubrication system. Grade 1 should be used for hand application in winter-outdoor conditions. Grade 2,3 is used for all general indoor and summer-outdoor needs

For a full listing of equipment approvals and recommendations, please consult your local EA Technical Helpdesk, or the OEM Approvals website: www.ea-lubricant.com

Typical physical characteristics

Items	Testing Method	Typical Data			
		0	1	2	3
Thickener type		Lithium/ Calcium			
Base oil		Mineral oil			
Operating temp,°C		-20 to 130			
NLGI Grade	ASTM D217	0	1	2	3
Worked penetration 60 strokes @25°C	ASTM D217	355-385	310-340	265-295	220-250
Dropping Point,℃	IP 396	180	200	200	200
Base oil viscosity @40°C	ASTM D445	180	185	190	195
Base oil viscosity @100°C	ASTM D445	13	13	13	13
Four ball wear test - wear scar diameter (40 kgf/75oC/1200rpm/1hr), mm	ASTM D4048	non-corrosive			
Four Ball Weld Load test - Weld Point, kgf	ASTM D2596	Min 250	Min 250	Min 250	Min 250
Water Wash-out, 1 hour @ 79°C, % lost	ASTM D1264	-	Max 10	Max 10	Max 10
Oil separation, 168 hours@40°C, %wt	IP 121	Max 9	Max 8	Max 5	Max 5

Health, Safety & Environment

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS)