



Product Data Sheet

Energrease LS-EP Range

Multi-purpose EP grease

Description

The BP Energrease™ LS-EP range are high quality lithium based multi-purpose greases incorporating solvent refined base oils and oxidation and corrosion inhibitors to ensure long service life and a high level of protection for ferrous surfaces. Energrease LS-EP greases also incorporate extreme pressure (EP) additives to provide continuous lubrication, even when surfaces are subjected to heavy or shock loading. These grades have multi-purpose capabilities, water-resistant, and are suitable for operating temperatures between -30°C and 120°C.

Application

Energrease LS-EP greases are intended for use in plain and roller bearings of all kinds of machinery – including electric motors, machine tools, woodworking machines as well as industrial, plant, mining and construction equipment. They are recommended for use where surfaces are subjected to heavy or shock loading. The Energrease LS-EP greases meet the British Timken requirements for use in steel mills.

Suitable for non disc brake wheel bearings and chassis lube.

Advantages

- Suitable for highly loaded applications
- Multi-purpose capability
- Long service life
- Resistance to water wash off
- Good pumpability
- Good shear stability and vibration resistance

Typical Characteristics

Name	Method	Units	LS-EP 0	LS-EP 1	LS-EP 2
Appearance	Visual		Brown	Brown	Brown
Texture			Smooth	Smooth	Smooth
NLGI Consistency			0	1	2
Drop Point	ASTM D2265	°C	170	185	190
Penetration @ 25°C	ASTM D217				
60 Strokes		dmm	375	325	270
100 000 Strokes		dmm	430	345	290
Water Content	ASTM D128	% mass	<0.1	<0.1	<0.1
EMCOR Rust Prevention	IP 220	Rating	0	0	0
Timken OK Load	ASTM D2509	kg	18	20	20
		lb	40	45	45
Oxidation Stability (100 hrs)	ASTM D942	bar	0.30	0.30	0.30
Timken Corrosion	IP 112	Rating	Pass	Pass	Pass
(149°C, 8 hrs, Copper/Steel)					
Base Oil Viscosity @ 40°C	ASTM D445	cSt	155	155	155

Subject to usual manufacturing tolerances.

Additional Information

In order to minimise potential incompatibilities when converting to a new grease, all previous lubricant should be removed as much as possible prior to operation. During initial operation, re-lubrication intervals should be monitored closely to ensure all previous lubricant is purged.

Energrease LS-EP Range
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