GREASE
PREMUS LEP

DESCRIPTION

PREMUS LEP is a range of smooth textured multipurpose greases based on lithium 12 hydroxy-stearate soap and high quality mineral base oils. The extreme pressure additives ensure an efficient lubrication of mechanisms submitted to heavy / violent loads. PREMUS LEP greases are the most commonly type used in most applications requiring a universal and versatile grease. They are mainly conceived for the lubrication of all types of bearings and they are the primary recommendation from all the equipment manufacturers (OEMs).

PREMUS LEP greases are suitable for most industrial and vehicle applications, where lithium extreme pressure greases are recommended for heavily loaded bearings and chassis. Applications include electric motors and generators, pumps, conveyors, grease lubricated gears and couplings, compressors, machine tools, plain and antifriction bearings in steel and paper mills, cement industries, railroad and marine equipment etc. PREMUS LEP 1 is mainly recommended for centralized lubricating systems.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Excellent resistance to violent shocks and heavy loads.	Improved shear stability
Good pumping ability even at low temperatures.	Excellent resistance to churning on start up.
Efficiently protection against rust and corrosion.	Versatility in use and long relubrication intervals
Excellent resistance to oxidation	

PHYSICAL-CHEMICAL CHARACTERISTICS

CYCLON PREMUS LEP	METHOD		
NLGI		2	3
Color/Appearance	Visual	Brown	Brown
Texture	Visual	Smooth	Smooth
Thickener type		Lithium	Lithium
Base Oil		Blend of mineral oils	Blend of mineral oils
Base oil viscosity @40°C, mm^2/s	ASTM D445	200	200
Dropping point, °C	ASTM D2265	207	207
Worked penetration, mm/10 @25°C 60 strokes 100,000 strokes	ASTM D 217	 265-295 +10%	 220-250 +12%
EP properties weld point, kgf	ASTM D 2596	250	250
Wear preventive characteristics Scar diameter, mm	ASTM D 2266	0.45	0.5
Oxidation stability test, psi drop/100 hrs	ASTM D 942	2.5	2.5
Oil separation, wt. %	ASTM D 1742	4.5	3
Water washout @ 79°C, wt. %	ASTM D 1264	5	3.2
Antirust properties	ASTM D 1743	pass	pass
Copper strip corrosion	ASTM D 4048	1b	1b
Operating temperatures, °C		-25/+120	-25/+120

The abovementioned characteristics represent mean values.

SPECIFICATIONS

NLGI 2: DIN 51825 KP2K-25; ISO 6743/9 L-X-CCHB2
NLGI 3: DIN 51825 KP3K-25; ISO 6743/9 L-X-CCHB3