GREASE
PREMUS LI-CA

DESCRIPTION
PREMUS LI-CA is a range of premium quality mixed soap (Li/Ca) universal greases, extremely stable in presence of excess water with excellent mechanical and thermal stability.

APPLICATIONS
PREMUS LI-CA is specially recommended for the lubrication of bearings and mechanisms working in harsh environments (vapor, water, sludge, high temperature, dust, heavy loads). It covers efficiently a wide variety of applications in steel, cement and paper production plants, earth moving equipment, public work contractors' machinery, transportation etc. In industrial environments, in particular, where vapor, water, dust, mud and elevated temperatures are a common problem, PREMUS LI-CA greases exhibits extraordinary performance.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Excellent resistance to water washout.	Excellent antiwear properties.
Exceptional adherence on metal surfaces.	Compatible with lithium, lithium complex and anhydrous calcium soap-based greases.
High mechanical and shear stability.	Excellent rust and corrosion protection.
Choice of preference for lubrication rationalization in small and medium size industrial plants.	

PHYSICAL-CHEMICAL CHARACTERISTICS

CYCLON PREMUS LI-CA	METHOD			
NLGI		1	2	3
Color/Appearance	Visual	Brown	Brown	Brown
Texture	Visual	Smooth	Smooth	Smooth
Thickener type		Mixed Li-Ca	Mixed Li-Ca	Mixed Li-Ca
Base Oil		Blend of mineral oils	Blend of mineral oils	Blend of mineral oils
Base oil viscosity @40°C, mm^2/s	ASTM D445	150	150	150
Dropping point, °C	ASTM D2265	195	197	197
Worked penetration, mm/10 @25°C 60 strokes 100,000 strokes	ASTM D 217	 310- 340 +8%	 265-295 +8%	 220- 250 +10%
Wear preventive characteristics Scar diameter, mm	ASTM D 2266	0,47	0,47	0,5
Oxidation stability test, psi drop/100 hrs	ASTM D 942	2.5	2.5	2,5
Oil separation, wt. %	ASTM D 1742	4,5	3,5	3
Water washout @79°C, wt. %	ASTM D 1264	-	3,2	2,8
Antirust properties	ASTM D 1743	pass	pass	pass
Operating temperatures, °C		-20/+120	-20/+120	-20/+120

The abovementioned characteristics represent mean values.

SPECIFICATIONS
NLGI 1: DIN 51825 K1K-20; ISO 6743/9 L-X-BCEA1
NLGI 2: DIN 51825 K2K-20; ISO 6743/9 L-X-BCEA2
NLGI 3: DIN 51825 K3K-20; ISO 6743/9 L-X-BCEA3