



GREASE INNOVA CY/BIO 2



DESCRIPTION

INNOVA CY/BIO NLGI 2 is a truly biodegradable, lithium/calcium soap thickened, multi-purpose grease incorporating non-toxic solid lubricants, extreme pressure additives, and a blend of antioxidants and corrosion inhibitors, combined to provide highly effective lubrication with excellent corrosion protection.

APPLICATIONS

INNOVA CY/BIO is particularly suitable for the offshore industry. Its adhesive nature makes it suitable for a wide range of applications for general purpose greasing of all types of bearings including heavy-duty bearings in very wet and aggressive environments. Other typical application areas are dockside cranes, draglines, water treatment and situations where a biodegradable lubricant is preferred for environmental reasons. The ingredients used in the manufacture of CY/BIO 2 are naturally accruing or readily biodegradable by micro-organisms, making this product environmentally friendly when compared to conventional lubricants.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Biodegradable lubricating grease.	100% environmentally sensitive.
Water repellent film.	Ensures long life, extending lubrication intervals.
Mixed soap (lithium/calcium) thickener.	Dewaters and can be applied in wet surfaces; Increased resistance to water washout.

PHYSICAL-CHEMICAL CHARACTERISTICS

CYCLON INNOVA CY/BIO	METHOD	
NLGI		2
Color/Appearance	Visual	Brown-green, adhesive
Thickener type		Lithium/Calcium
Base oil		Blend of 100% biodegradable oils
Base oil viscosity @40°C		>75 - <100
Solid lubricant		Non-toxic high-load solids
Worked penetration, mm/10 @25°C 60 strokes	ASTM D 217	265-295
Water spray-off loss	ASTM D 4049	<0.5%
4-ball welding load, kg	IP 239 (ASTM D 2596)	500
Timken OK load, kg	IP 326	20
Scar diameter 40kg/1 hour, mm		0.65
dN factor		500,000
Operating temperatures, °C		-30/+120

The abovementioned characteristics represent mean values.

SPECIFICATIONS

DIN 51825 KPE2K-30; ISO 6743/9 L-X-CCIB2; OECD 301-B Biodegradability >60%; CEC-L-33A-T93 Biodegradability >90%; EPA 2013 VGP-compliant

