



# GREASE INNOVA COMPLEX



## DESCRIPTION

INNOVA COMPLEX is a lithium complex thickened lubricating grease based on a balanced mixture of mineral oils. The grease contains antioxidants corrosion inhibitors and EP/AW additives. The lithium complex soap, together with the special oil blend, makes the product suitable for applications at elevated temperatures, heavily loaded bearings and in wet and corrosive environments. The complex soap structure also gives the product a high degree of mechanical stability. This enhances the performance and prolongs re-lubrication intervals. The specially developed EP/anti-wear additive package gives the grease a very high load carrying capacity and excellent wear protection.

## APPLICATIONS

INNOVA COMPLEX is a modern high-performance product suitable for various types of bearing applications in heavy industry. The consistency of the lubricating grease makes it suitable for use in industrial centralized lubrication systems. The product is a primary choice for heavily loaded bearing applications at elevated temperatures.

## CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Very good thermal stability.	Excellent at high temperatures.
High load carrying capacity due to EP additive content.	Resistant to churning on start up.
Suitable for very low speed applications.	Excellent corrosion protection.
Very good behavior towards washout.	Extreme mechanical stability even under vibrating conditions which cause many greases to soften.
Very good pumpability in a wide temperature range.	

## PHYSICAL-CHEMICAL CHARACTERISTICS

CYCLON INNOVA COMPLEX	METHOD		
NLGI		1	2
Color/Appearance	Visual	Blue	Blue
Texture	Visual	Smooth	Smooth
Thickener type		Lithium complex	Lithium complex
Base Oil		Blend of mineral oils	Blend of mineral oils
Base oil viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	220	220
Dropping point, °C	ASTM D2265	260	265
Worked penetration, mm/10 @25°C 60 strokes 100,000 strokes	ASTM D 217	310-340 +8%	265-295 +10%
Roll stability	ASTM D1831	+7%	+7%
EP properties weld point, kgf	ASTM D 2596	250	250
Wear preventive characteristics Scar diameter, mm	ASTM D 2266	0.45	0.45
Oxidation stability test, psi drop/100 hrs	ASTM D 942	2	2
Antirust properties	ASTM D 1743	pass	pass
Operating temperatures, °C		-30/+140 (+180 short peaks)	-30/+140 (+180 short peaks)

The abovementioned characteristics represent mean values.

## SPECIFICATIONS

NLGI 1: DIN 51825 KP1N-30; ISO 6743/9 L-X-CDHB1  
NLGI 2: DIN 51825 KP2N-30; ISO 6743/9 L-X-CDHB2; Volvo STD 97720