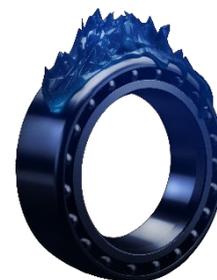


TECHNICAL PRODUCT SHEET

INNOVA™ COMPLEX NLGI 1, 2



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 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.

SPECIFICATIONS

NLGI 1	DIN51825 KP1N-30	ISO 6743/9 L-X-CDHB1	
NLGI 2	DIN51825 KP2N-30	ISO 6743/9 L-X-CDHB2	VOLVO STD 97720

PROPERTIES

INNOVA™ COMPLEX provides very good thermal stability and high load-carrying capacity thanks to its EP additive content. It is suitable for very low-speed applications, offers excellent resistance to washout, and ensures very good pumpability across a wide temperature range, delivering reliable performance under demanding conditions.

BENEFITS

INNOVA™ COMPLEX performs exceptionally at high temperatures and resists churning during start-up. It provides excellent corrosion protection and extreme mechanical stability, even under vibrating conditions that typically cause other greases to soften, ensuring reliable performance in demanding environments.



TECHNICAL PRODUCT SHEET

PHYSICAL-CHEMICAL CHARACTERISTICS

INNOVA™ COMPLEX	METHOD	1	2
NLGI Grade		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 ² /s	ASTM D445	220	220
Dropping point, °C	ASTM D2265	260	265
Worked penetration, 10 ⁻¹ mm @25 °C			
- 60 strokes	ASTM D 217	310-340	265-295
- 100,000 strokes		+8%	+10%
Roll stability	ASTM D 1831	+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/100hrs	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 above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

