



GREASE

INNOVA COMPLEX WTR/1.5



DESCRIPTION

INNOVA COMPLEX/WTR NLGI 1.5 is calcium sulphonate complex thickened lubricating grease based on mineral oils. It exhibits excellent load carrying properties inherently provided by the technology built in their soap structure. Its functional soap makes INNOVA COMPLEX WTR/1.5 suitable for heavily loaded applications at elevated temperatures and in wet and corrosive environments. It demonstrates superb mechanical stability, good corrosion protection and excellent water resistance.

APPLICATIONS

INNOVA COMPLEX/WTR 1.5 is a modern high-performance product suitable for industrial (steel mills, paper calenders, cement plants, overhead cranes, conveyors etc.) as well as marine and off-road applications. Being a NLGI 1.5 grease of lower BOV (base oil viscosity) than its NLGI 2 version, it is ideal for central lubricating systems in the above heavy-duty applications. The extreme load carrying capacity and the excellent water resistance make these products a perfect choice for heavily loaded applications in the presence of excess water and/or elevated working temperature.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Excellent load carrying capacity.	Very good compatibility with lithium and lithium complex soap-based greases.
Excellent mechanical and thermal stability.	Excellent compatibility with almost all the seals usually used in lubricated applications.
Outstanding corrosion protection.	Excellent pumpability in centralized lubrication systems.
Water resistance.	Outstanding mechanical resistance and minimal oil bleeding in automatic lubricators.
Excellent wetting properties providing stable and rationalized lubricating film thickness.	

PHYSICAL-CHEMICAL CHARACTERISTICS

CYCLON INNOVA COMPLEX WTR	METHOD	
NLGI		1.5
Color/Appearance	Visual	Brown
Texture	Visual	Smooth
Thickener type		Calcium sulphonate complex
Base Oil		Blend of mineral oils
Base oil viscosity @40°C, mm ² /s	ASTM D445	220
Dropping point, °C	ASTM D2265	280
Worked penetration, mm/10 @25°C 60 strokes 100,000 strokes	ASTM D 217	285-315 +5%
EP properties weld point, kgf	ASTM D 2596	400
Wear preventive characteristics Scar diameter, mm	ASTM D 2266	0.5
Oxidation stability test, psi drop/100 hrs.	ASTM D 942	3
Antirust properties	ASTM D 1743	pass
Copper strip corrosion	ASTM D 4048	1b
Operating temperatures, °C		-20/+150 (+180 short peaks)

The abovementioned characteristics represent mean values.

SPECIFICATIONS

DIN 51825 KP1/2N-20; ISO 6743/9 L-X-BDIB1/2