



LCH 250

Issue: 10
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EXTREME PRESSURE ADHESIVE GREASE

DEFINITION

Lithium Complex grease with outstanding resistance properties at work and under high temperatures.

Reinforced adhesiveness properties and the used thickener gives to LCH 250 an excellent resistance to humid and aggressive surroundings (water or steam, even under pressure, chemical attack)

This range of greases has outstanding anti-corrosion properties to secure a good protection of materials.

Thanks to its Extreme Pressure qualities LCH 250 is suitable for the lubrication of all heavily loaded mechanisms.

CHARACTERISTICS

• Color:		Green
• Thickener Type:		Complex lithium soap
• Operating Temperature Range:		-25°C to +160°C
• Base Oil:		Mineral
• Base oil viscosity @ 40°C:	ASTM D 7042	130 Cst
• Apparent dynamic viscosity@ -20°C		
• (Pa.s) measured at a shear drop of 0.174 s-1		8 000
• Drop point:	ISO 2176	>250° C
• Density:	ISO 2811-1	0,89
• NLGI Grade:		2
• Unworked penetration @ 25°C:	ISO 2137	265-295 ^{1/10mm}
• Loss of penetration after 100 000 stokes:	ISO 2137	< 30 ^{1/10mm}
• Loss of penetration after 100 000 stokes with 10 % water:	ISO 2137	< 40 ^{1/10mm}
• NDN Factor:		500 000
• 4 Ball EP Shell Test (Welding Load):	ASTM D 2596	315 Kg
• 4 Ball EP Shell Test (Wear):	ASTM D 2266	< 0,7 mm
• Copper sheet corrosion :	ISO 2160	2c
• EMCOR Test:	ISO 11007	0
• Sweating:	ASTM D 1742	< 3 %
• Water Wash Out (38°C)	ASTM D 1264	< 2%
• Oxidation stability (100h):	ASTM D 942	< 1 bar
• Oxidation stability (400h):	ASTM D 942	< 2,6 bar

Classification according to DIN 518-25: KP 2 P-25

Classification according to ISO 6743-9: ISO-L-XBEDA 2

APPLICATIONS

For all types of bearings, gearings or mechanism submitted to severe conditions of use and to high temperatures.