



Grease Poly HT 2-S

High temperature grease for bearings

Description

Special grease based on polyurea technology. Long life organic soap thickened greases with a synthetic base oil and additive package to provide superior anti wear, EP properties and high antioxidant and anticorrosive capacity. These are excellent greases for the lubrication of bearings and mechanisms exposed to the combined action of high temperatures, heavy loads and water. Due to the fact that Poly HT greases do not contain any metallic soap, the resistance to oxidation and aging is much better when compared with the conventional greases formulated with complex or simple soap which are most of the time being used.

Applications

Poly HT greases are intended for the lubrication of mechanisms in severe operating conditions, such as the lubrication of steel continuous casting where the combined action of:

- High service temperature (up to 200 °C, peak temperature 220 °C)
- High ferro static pressures
- Big quantity of cooling water
- High contamination with metallic oxides, hard particles, strips etc.
- Long centralized systems

Benefits

- High mechanic work stability
- Poor variation of the consistency to temperatures increase
- Very good behavior to water and water wash-out
- Excellent sealing capacity which prevents the contamination with particles
- Very good flow characteristics in a wide temperatures range
- Long life lubricating greases
- Superior quality-price relation

Typical performance data

	Test method	HT 2-S
Colour		Ivory
Base oil nature		Ester
Base oil viscosity @ 40 °C, cSt		320
Penetration 60W, 25 °C, x 0,1mm	ASTM D217	265-295
Wear scar diameter, 1h/40 kg = 0.40, x 0,1mm		0,40
Wear scar diameter, 1'/80 kg =0.40, x 0,1mm		0,40
Dropping point, °C	ASTM D566	> 250
NLGI consistency	DIN 51818	2
Density @ 25 °C, g/cm ³		0,942
Evaporation loss, % weight, 22hr/100 °C, %	ASTM D971	0,25
EMCOR corrosion test	DIN 51802	1
Copper strip corrosion, 24hr/100 °C	ASTM D4048	1b
Operating temperatures, °C		-30 - 200

All performance data on this Technical Data Sheet are indicative only and can vary during production

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