



Grease Poly HT plus

High temperature grease for bearings

Description

Grease Poly HT plus is a special grease based on polyurea technology. Long life organic soap thickened greases with highly refined mineral oil and additive package to provide superior anti wear, EP 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.

Thanks to the fact that Poly HT plus greases do not contain any metallic soap, the resistance to oxidation and aging is much better compared with the conventional commonly used greases formulated with complex or simple soaps.

Applications

Grease Poly HT plus 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
- 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
- Thermally stable
- Peak temperature of 220 °C
- Excellent water wash-out properties
- Excellent sealing capacity
- Wide range of working temperatures
- Long life lubrication
- Reduction of lubrication intervals en maintenance costs
- Superb pumpability
- Superior quality-price ratio



Typical performance data

	Test method	Plus 0	Plus 1	Plus 2
Color		Light brown		
Thickener		Urea compound		
Base oil type		Mineral		
Base oil viscosity @ 40 °C, cSt		220		
NLGI class	DIN 51818	0	1	1/2
Worked penetration 60W, x 0,1 mm	ASTM D217	355-385	310-340	290-310
Dropping point, °C	ASTM D566	220	220	220
Shell roll stability test	ASTM D1831			
• 24 hours		n/a	n/a	+32
• 48 hours		n/a	n/a	+40
• 72 hours		n/a	n/a	+40
4-ball wear test				
• Welding load, kg	IP-239	300	300	300
• Wear scar diameter 1hr/40 kg, mm		0,50	0,50	0,50
Oil separation, %	IP-121	n/a	5	7
EMCOR corrosion test:				
• Distilled H ₂ O	DIN 51802	n/a	0	0
• Salt H ₂ O	DIN 51802	n/a	2	2
Water washout @ 80 °C, %	ASTM D1264	n/a	2,5	2,5
Oxidation stability	ASTM D942	0,5	0,5	0,5
Copper corrosion @ 100 °C	ASTM D130	1b	1b	1b
Radiation heat resistance, °C		260	260	260
Peak temperature, °C		220	220	220
Operating temperatures, °C		-20 - 190	-20 - 190	-20 - 190

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