

GREASE POLY HT PLUS 2

Product code: 264906801

High temperature grease for bearings

This product 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

These 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 & Advantages

- 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

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Typical Performance Data

| Typical | Test Method | Value |
|---|------------------------|-------------------|
| Color | | Light brown |
| Thickener | | Urea compound |
| Base oil type | | Mineral |
| Base oil viscosity @ 40 °C, cSt | | 220 |
| NLGI class | DIN 51818 | ½ |
| Worked penetration 60W, x 0,1 mm | ASTM D217 | 290-310 |
| Dropping point, °C | ASTM D566 | 220 |
| Shell roll stability test <ul style="list-style-type: none"> • 24 hours • 48 hours • 72 hours | ASTM D1831 | +32 +40 +40 |
| 4-ball wear test <ul style="list-style-type: none"> • Welding load, kg • Wear scar diameter 1hr/40 kg, mm | IP-239 | 300 0.50 |
| Oil separation, % | IP-121 | 7 |
| EMCOR corrosion test: <ul style="list-style-type: none"> • Distilled H₂O • Salt H₂O | DIN 51802 DIN 51802 | 0 2 |
| Water washout @ 80 °C, % | ASTM D1264 | 2.5 |
| Oxidation stability | ASTM D942 | 0.5 |
| Copper corrosion @ 100 °C | ASTM D130 | 1b |
| Radiation heat resistance, °C | | 260 |
| Peak temperature, °C | | 220 |
| Operating temperatures, °C | | -20 - 190 |

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