



Inomax H-series

Service lubricant for open gears

Description

The range of Inomax H contains state of the art, solids fortified product for the lubrication of open gear. The lubricant an aluminium complex thickened and formulated with high quality base oil and a set of anti seize and anti corrosive additives and EP (Extreme Pressure) and adhesion improvers. The added graphite provides a very stable and lubricating and adherent film possessing superior resistance to high temperatures and loads. Inomax H shows optimum efficiency and meets the requirements of crown drives in ball and rotary mills. It also passes the DeLimon and Helios spraying tests, suitable for application through centralised lubrication or lubrication systems. The range of Inomax H products is free of components which are harmful to the environment (bitumen, chlorine, heavy metals and solvents).

Applications

The range of Inomax products has been specially formulated for the lubrication of large girth mills and kiln open gear sets in the cement and mining industry as well as in particular chemical and metal

applications. Thanks to its adhesive properties Inomax H products are also very suitable for the lubrication of bearings and sliding bearings operating under the combined action of loads, water and increased temperatures. The state of the art anti-wear additive technology reduces the friction between the gear teeth to a minimum, resulting in a smooth and trouble free operation of the crown, at the same time the wear is being reduced to a minimum even in the most severe conditions.

Benefits

- Thermal and oxidative stability
- High dropping point
- Free of heavy metals as well as chlorine and bitumen
- Good mechanical stability
- High anti wear and friction reducing properties
- Excellent anti rust protection
- Good pumpability
- Interval working temperature up to 170 °C and dry lubrication up to 450 °C



Typical performance data

| | Test method | H-0 | H-1000 | H-1500 plus | H-3000 |
|--|-------------|-------------------|-------------------|-------------------|-------------------|
| Colour | | Black | | | |
| Thickener, soap type | | Aluminium complex | | | |
| Solids | | Graphite | | | |
| Base oil type | | Mineral | Mineral+ polymers | Mineral+ polymers | Mineral+ polymers |
| Base oil viscosity @ 40 °C, cSt | | 600/650 | 1000 | 1500 | 3500 |
| NLGI | DIN 51818 | 0 | 0 | 0 | 0 |
| Penetration, 60W | ASTM D217 | 350-385 | 350-385 | 350-385 | 350-385 |
| Drop point, °C | ASTM D556 | >190 | >200 | >190 | >200 |
| 4-ball wear test, welding load, kg | IP-239 | >700 | >700 | >800 | >800 |
| FZG | A/2;76/50 | | | | |
| <ul style="list-style-type: none"> • Stage • Specific wear (kwh), mg | | >12 <0,2 | >12 <0,2 | >12 <0,2 | >12 <0,2 |
| Working temperature, °C | | -10 - 150 | -10 - 150 | -10 - 150 | -10 - 150 |
| Dry lubrication, °C | | 450 | 450 | 450 | 450 |

All performance data on this Technical Data Sheet are indicative only and can vary during production
 Matrix Specialty Lubricants BV - info@lubes-portal.com - www.lubes-portal.com