

UREAGREASE HDP 460

DESCRIPTION

The UREAGREASE HDP 460 is one of a new generation lubricant greases issued from recent development of technology and process.

Compared to Complex greases, Polyurea thickened products last twice as long or more at high temperature and perform better under severe environment conditions in presence of water, vibrations and high shear.

With its additive package, the UREAGREASE HDP 460 meets severe requirements of high temperature life, water resistance, corrosion protection, antiwear properties and load capacities. Naturally adhesive to metal surfaces, this grease is additionally miscible and compatible with almost all other type of lubricants.

This Diurea grease exhibits an excellent thermal stability behavior in association with the general antiwear . and antirust characteristics of premium grade multipurpose greases.

Properties of the thickener combined with a high viscosity base oil provides a thick lubricating film which is very helpful especially in boundary lubrication.

Outstanding water resistance.

Temperature range from - 20 to + 200°C.

| PHYSICAL PROPERTIES | METHOD | UNIT | SPECIFICATION OR TYPICAL VALUE |
|------------------------------|-----------|---------|--------------------------------|
| Color | - | - | Yellow Brown |
| Texture | - | - | Smooth,slight stringy |
| Thickener | - | - | Diurea |
| Dropping Point | ASTM D566 | °C | > 240 |
| Penetration 25°C worked x 60 | ASTM D217 | 1/10 mm | 310 –340 |

| PHYSICAL PROPERTIES | METHOD | UNIT | SPECIFICATION OR TYPICAL VALUE |
|--|------------|--------------------|--------------------------------|
| Oil separation 100°C - 30 hrs on cone | ASTM D6184 | % | 3 |
| Oil separation 40°C - 7 days | IP 121 | % | 4 |
| Emcor Antirust Test | NFT 60-135 | Rating | <=1 |
| Flow presure at -20°C | DIN 51805 | mbar | 1050 (< 1400) |
| Shell 4 balls Tester Wear scar 1 h - 40 daN | ASTM D2266 | mm | Ø < 0,50 |
| Base oil viscosity at 40°C | ASTM D445 | mm ² /s | 500 |
| Static water resistance | DIN 51807 | rating | 0/1 - 90 |
| Water Wash Out 80°C | ASTM D1264 | % | < 4 |

HANDLING AND SAFETY

There is no special risk, nore health hazards under normal conditions of handling and use of petroleum lubricants. It satisfies all environmental and safety standards of the industry. The information related to prevention, security and health hazard are detailed in a Material Safety Data Sheet available upon request.

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