



Product Data

BP Spemo HB Range

Circulating oil

Description

BP Spemo™ HB circulating oil range are based upon high quality solvent refined mineral oils carefully formulated with additives to provide good water separation as well as rust and oxidation protection.

Application

Spemo HB circulating oils are intended for the lubricating of bearings produced by companies such as Morgan or Mesta. These oils meet or exceed:

- MORGOIL™ Lubricant Specification Rev. 1.1 (27 Jan 2005)
- Association of Technicians of the Iron and Steel Industry – ATS 384-112

Used extensively for the bearing lubrication of steel rolling mills and other applications where high quality rust and oxidation inhibited circulating oils with excellent water separation properties are required.

The Spemo HB range is fully compatible with elastomer materials commonly used for static and dynamic seals, such as nitrile, silicone and fluorinated (e.g. Viton) polymers.

Advantages

- Good thermal and oxidative stability leads to longer operating life, reduction in lubricant costs and minimises deposit formation giving a cleaner system
- Excellent water separation and hydrolytic stability means reduced down time through prolonged lubricant life and increased equipment reliability

Typical Characteristics

| Test | Method | Units | SPEMO HB 220 | SPEMO HB 320 | SPEMO HB 460 |
|--|-------------------------|--------------------|--------------|--------------|--------------|
| ISO Viscosity Grade | - | - | 220 | 320 | 460 |
| Density @ 15°C | ISO 12185/ASTM D4052 | g/ml | 0.897 | 0.904 | 0.91 |
| K.V. @ 40°C | ISO 3104/ ASTM D445 | mm ² /s | 220 | 320 | 460 |
| K.V. @ 100°C | ISO 3104/ ASTM D445 | mm ² /s | 19 | 25.1 | 30.2 |
| Viscosity Index | ISO 2909/ ASTM 2270 | - | >95 | >95 | >95 |
| Pour Point | ISO 3016/ ASTM D97 | °C/°F | -12/-11 | -12/16 | -9/0.4 |
| Flash Point, COC | ISO 2592/ ASTM D92 | °C/°F | 226/440 | 226/440 | 232/450 |
| Flash Point, PMCC | ISO 2719/ ASTM D93 | °C/°F | 220/428 | 220/428 | 220/428 |
| Foam Seq I | ISO 6247/ ASTM D892 | mls | 10/0 | 10/0 | 10/0 |
| Water Separability @ 82°C | ISO 6614/ ASTM D1401 | Mins | 15 | 15 | 20 |
| Copper Corrosion (3 hrs @ 100°C) | ISO 2160 / ASTM D130 | Class | 1b | 1b | 1b |
| Rust Test (24 hrs distilled water) | ISO 7210/ ASTM D665A | - | Pass | Pass | Pass |
| Rust Test (24 hrs Synthetic sea water) | ISO 7210/ ASTM D665B | - | Pass | Pass | Pass |

Subject to usual manufacturing tolerances. Other viscosities can be made available upon demand in your region.

Additional Information

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BP Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, UK
www.castrol.com/industrial