



TECHNICAL DATA

GB UNIPOWER® H RANGE

APPLICATIONS

The GB UNIPOWER® H RANGE of hydraulic oils has been developed using the highest quality virgin mineral base oils and advanced additive systems, for use in most industrial hydraulic systems requiring an anti-wear lubricant.

PERFORMANCE FEATURES

The GB UNIPOWER® H RANGE has been formulated to meet the current requirements of today's hydraulic equipment and offers the following features:

- Anti-wear performance
- Oxidation stability
- Corrosion protection
- Thermal stability
- Demulsification performance
- Air release performance
- Low foaming
- Filterability performance
- Seal compatibility

PERFORMANCE DETAILS

At the relevant viscosities, the GB UNIPOWER® H RANGE may be used where the following specifications are required:

| | |
|---|---|
| DIN 51524 part 2 HLP, HM DENISON HF-1, HF-2 AFNOR NF E 48-603 | VICKERS M-2950-S, I-286-S CINCINNATI MILACRON P-68, P-69, P-70 |
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Integrated Management System
PAS 99 IMR 560337
ISO 9001
ISO 14001
OHSAS 18001

GB LUBRICANTS

CHARACTERISTICS

| TEST | UNIT | METHOD | TYPICAL PHYSICAL CHARACTERISTICS | | | | |
|-----------------------------|-------------------|--------|----------------------------------|-------------|-------------|--------|--------|
| ISO | | | 5 | 10 | 15 | 22 | 32 |
| Appearance | | | pale yellow | pale yellow | pale yellow | yellow | yellow |
| Density @ 15°C | kg/m ³ | IP 160 | 816 | 841 | 853 | 865 | 870 |
| Kinematic Viscosity @ 40°C | cSt | IP 71 | 5 | 10 | 14.6 | 21.1 | 32.9 |
| Kinematic Viscosity @ 100°C | cSt | IP 71 | - | 2.7 | 3.4 | 4.3 | 5.6 |
| Viscosity Index | - | IP 226 | - | 107 | 108 | 106 | 106 |
| Pour Point | °C | IP 15 | -33 | -33 | -33 | -33 | -27 |
| Flash Point | °C | IP 34 | 140 | 160 | 168 | 180 | 198 |

| TEST | UNIT | METHOD | TYPICAL PHYSICAL CHARACTERISTICS | | | | |
|-----------------------------|-------------------|--------|----------------------------------|--------|--------|------------|-------|
| ISO | | | 46 | 68 | 100 | 150 | 220 |
| Appearance | | | yellow | yellow | yellow | pale amber | amber |
| Density @ 15°C | kg/m ³ | IP160 | 876 | 882 | 887 | 891 | 895 |
| Kinematic Viscosity @ 40°C | cSt | IP 71 | 46.1 | 68.7 | 102.7 | 151.8 | 208.6 |
| Kinematic Viscosity @ 100°C | cSt | IP 71 | 6.9 | 8.9 | 11.4 | 14.8 | 19.2 |
| Viscosity Index | - | IP 226 | 105 | 101 | 102 | 98 | 102 |
| Pour Point | °C | IP 15 | -24 | -24 | -21 | -18 | -15 |
| Flash Point | °C | IP 34 | 208 | 212 | 215 | 215 | 220 |

STORAGE AND HANDLING

The GB UNIPOWER® H RANGE should be stored under cover to avoid water collecting in the rim of upturned barrels.

HEALTH, SAFETY AND THE ENVIRONMENT

Further information on GB UNIPOWER® H RANGE can be obtained by referring to the corresponding Safety Data Sheet.

For guidance on storage and handling of all lubricants and related products, GB Lubricants recommend the Environment Agency, www.environment-agency.gov.uk, as an excellent source of advice.

If you have any queries, please do not hesitate to contact either your local Technical Sales Representative or our Technical Department.

The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations and specifications, without prior notice.