



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 N FE 48-603

VICKERS M-2950-S, I-286-S
CINCINNATI MILACRON P-68, P-69, P-70
US STEEL 127, 136

Cont'd .../...

GB LUBRICANTS

Albany Road Gateshead NE8 3BP

Tel: 0191 490 4312
Fax: 0191 477 9544
e-mail: gblsales@gb-lubricants-fuels.co.uk
www.gb-lubricants-fuels.co.uk

A division of Goodall Bates & Todd Ltd



Q 06093
ISO 9001



EMS 72776
ISO 14001



OHS 88475
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 | 827 | 845 | 857 | 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 | -32 | -32 | -37 | -33 | -30 |
| 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 | 875 | 880 | 886 | 890 | 894 |
| 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 | -25 | -25 | -22 | -18 | -16 |
| 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

The GB UNIPOWER® H RANGE, with the exception of the ISO 5 grade, is not classified as hazardous under current UK Health & Safety and Environmental Legislation when used in the application for which it is intended.

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.