



PENRITE

INDUS HV HYDRAULIC OILS

Premium High Viscosity Hydraulic Oils

Issue: February 2014

| Product Code: | Pack Size: | Carton Qty: |
|---------------|------------|-------------|
| INDUSHV32005 | 5 Litre | 4 |
| INDUSHV32020 | 20 Litre | 1 |
| INDUSHV32205 | 205 Litre | 1 |
| INDUSHV46005 | 5 Litre | 4 |
| INDUSHV46020 | 20 Litre | 1 |
| INDUSHV46205 | 205 Litre | 1 |
| INDUSHV68005 | 5 Litre | 4 |
| INDUSHV68020 | 20 Litre | 1 |
| INDUSHV68205 | 205 Litre | 1 |
| INDUSHV100020 | 20 Litre | 1 |
| INDUSHV100205 | 205 Litre | 1 |



Description

A range of premium quality, high viscosity index, ashless hydraulic oils made from selected hydro-treated base stocks, a highly shear stable viscosity modifier and an advanced anti-wear additive. In addition they contain a fluorescent dye to allow for easy identification in daytime or under UV light in dark conditions.

Application

Penrite Indus HV oils are designed for use in hydraulic systems subjected to wide range of ambient temperatures such as in marine environments, mining, construction and agricultural equipment and forestry.

They are recommended for use in all types of hydraulic systems using vane, piston or gear pumps, air line lubricators, vacuum pumps, lightly loaded gear sets and bearings (such as headstocks, windmill gears) and hydraulic hoists and jacks. Marine applications for all products include deck equipment, steering gear and bow thrusters. Some specific applications are given below.

Penrite Indus HV 32 can be used in some JCB farm and earthmoving hydraulic systems.

Penrite Indus HV 46 is recommended for use in severe duty grape harvester hydraulic systems.

Penrite Indus HV 68 can be used for severe duty cane harvester hydraulic systems and in Dingo equipment.

Penrite Indus HV 100 can also be used in Tennant Sweepers.

Product Benefits

- Formulated to combat rust, oxidation, wear and foaming
- Reduces sludge formation.
- Compatible with silver components
- Provides good water separation
- Can be used over a wide range of temperatures
- Exceptional shear stability maintains equipment performance
- Fluoresce a light yellow colour under UV light
- Lower start up viscosity increases energy efficiency
- Zinc and Chlorine free

Industry Specifications

Vickers I-286-S3, M-2952-S
 Hagglunds AC-4.8
 Denison HF-2
 SAE MS1004 Type HV
 Bosch Rexworth RE90 220
 Denison HF-0 (T6H20C)

DIN 51524 Part 3 (HLP/HVLP)
 ISO 6743 Part 4, Type HV
 AFNOR NFE 48-603
 Cincinatti Milacron P-68, (32) P-69 (68), P-70 (46)
 ISO11158/11184

US Steel 126, 127
 AAMA 524 Part 3
 German Steel SEB 181 222
 AFNOR NFE 48-690

Typical Data

| | HV32 | HV46 | HV68 | HV100 |
|--|-------|-------|-------|-------|
| ISO Grade | 32 | 46 | 68 | 100 |
| Colour | Green | Green | Green | Green |
| Viscosity, Kinematic, cSt | | | | |
| at 40°C | 30 | 46 | 71 | 101 |
| at 100°C | 6.1 | 8.3 | 11.7 | 14.5 |
| Viscosity Index | 157 | 157 | 160 | 147 |
| DIN 51382, 30 Cycles After Shear, cSt at 100°C | 6.1 | 8.27 | 11.5 | 14.3 |
| FZG Pass Stage | 11 | 11 | 11 | 11 |

Information in this sheet is based on recent production. Minor variations to typical properties are expected in normal manufacture and do not affect product performance. An MSDS is available on request



PENRITE OIL COMPANY PTY LTD, 88 Lewis Road, Wantirna South
 Victoria AUSTRALIA 3152, ABN 25 005 001 525
 Enquiries: Phone 1300-PENRITE (1300 736 748)
 Fax: 1800-PENRITE (1800 736 748)
 International: Phone: 61 3 9801 0877, Fax: 61 3 9801 0977
 New Zealand Ph: 0800 533 698, Fax: 0508 736 748

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