



PENRITE

INDUS HV HYDRAULIC OILS

Premium High Viscosity Hydraulic Oils

Issue: November 2013

Product Code:	Pack Size:	Carton Qty:
INDUSHV32005	5 Litre	4
INDUSHV32020	20 Litre	1
INDUSHV32205	5 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	Blue / Green	Blue / Green	Blue / Green	Blue / 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



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