



PENRITE

# INDUS HV SERIES HYDRAULIC OILS

## Premium High Viscosity Index Hydraulic Oils

Issue: April 2017

PRODUCT CODE	PACK SIZE	CTN QTY
INDUSHV15205	205 Litre	1
INDUSHV32005	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
INDUSHV1001000LTR	1000 Litre	1

### Description

Penrite Indus HV oils are 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. They are available in ISO VG 15 through to 100.

### 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 15 can be used in some forklift hydraulics in cold stores/freezers or for high speed hydraulically operated machine tools.

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 and reduced sludge formation
- Zinc and Chlorine free; 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



### Industry Specifications

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

DIN 51524 Part 3 (HLP/HVLP)  
ISO 6743 Part 4, Type HV  
AFNOR NFE 48-603/48-690  
Cincinatti Milacron P-68, (32) P-69 (68), P-70 (46)  
ISO 11158/11184

US Steel 126, 127  
AAMA 524 Part 3  
German Steel SEB 181 222  
Denison HF-0 (T6H20C)

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## Typical Data

	HV15	HV32	HV46	HV68	HV100
ISO Grade	15	32	46	68	100
Colour	Green	Green	Green	Green	Green
Viscosity, Kinematic, cSt					
at 40°C	14.8	30	46	71	101
at 100°C	3.9	6.1	8.3	11.7	14.5
Viscosity Index	165	157	157	160	147
DIN 51382, 30 Cycles After Shear, cSt at 100°C	3.9	6.1	8.27	11.5	14.3
FZG Pass Stage		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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