

CHAMPION HYDRO HV ISO 15

DESCRIPTION :

A series of paraffinic oils with a high viscosity index, especially intended for the use in hydraulic circuits. Their specific additive package has the following qualities :

Anti-wear;
Resistance against oxidation and foaming;
Protection against corrosion;
Good filtrability, quick desaeration and water separation.

APPLICATIONS :

Hydraulic systems, functioning at very variable temperatures and at high pressures.
Gear boxes, which require an oil with an increased viscosity index and assuring a mechanical and chemical stability.
Regulation systems and hydraulic steering.
The use of these oils allows the reduction of the number of necessary qualities.

SPECIFICATION LEVEL :

| | | | |
|---------|--------------------|--------------------|--------------------|
| AFNOR | 48603 HV | SPERRY VICKERS | M2950-S I-286-S |
| DENISON | HF-0 | ISO | 6743/4 KLASSE L-HV |
| DIN | 51524 part 3 HV-LP | | HV-LP |
| VDMA | 24318 | CINCINATTI MACHINE | P68, P69, P70 |

TYPICAL CHARACTERISTICS :

| Test | Method | Unit | Average result | | | | | |
|--------------------|-------------|---------------------|----------------|-------|-------|-------|-------|-------|
| | | | 15 | 22 | 32 | 46 | 68 | 100 |
| Class | | | 15 | 22 | 32 | 46 | 68 | 100 |
| Density at 15°C | D 4052 | kg / m ³ | 855 | 862 | 869 | 873 | 878 | 883 |
| Viscosity at 40°C | D 445 | cSt | 15,8 | 21,6 | 32,7 | 46,0 | 70,6 | 103 |
| Viscosity at 100°C | D 445 | cSt | 4,1 | 5 | 6,3 | 8,1 | 11,0 | 15,2 |
| Viscosity index | D 2270 | | 172 | 168 | 147 | 150 | 146 | 155 |
| Pour point | D 6892 | °C | -45 | -40 | -40 | -33 | -30 | -24 |
| TAN | D 974 | g KOH/kg | 0,24 | 0,24 | 0,24 | 0,24 | 0,24 | 0,24 |
| Flash point COC | D 92 | °C | 162 | 186 | 204 | 218 | 224 | 228 |
| Classification | ISO 6743/4 | | L-HV | L-HV | L-HV | L-HV | L-HV | L-HV |
| Classification | DIN 51524/3 | | HV-LP | HV-LP | HV-LP | HV-LP | HV-LP | HV-LP |

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

4403 → 4408

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