

# HVC 46

MINERAL HYDRAULIC OIL ISO HV, WITH HIGH VISCOSITY INDEX

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Rev. 0

## **DESCRIPTION & APPLICATIONS**

HVC 46 is a hydraulic fluid developed for equipment and systems where an ISO Class HV is prescribed. The high-quality mineral base oils and additives (including stabilized zinc) will guarantee an outstanding performance under the toughest conditions. The increased viscosity index provides a constant viscosity with changing temperatures. Lubrication of machines will remain optimal.

HVC 46 is ideal for use in:

- Hydraulic applications in industry
- Installations subject to large temperature fluctuations
- Rolling material

## **ADVANTAGES**

- Oxidation resistancy
- Hydrolysis resistancy due to the stabilised zinc containing additive
- Excellent filtrability
- Low pour point ensures excellent oil fluidity, even under very cold climate conditions.
- High viscosity index

## **PERFORMANCES**

Satisfies to the following specifications:

ISO 6743 HV

DIN 51524 Teil 3 HVLP

DENISON HF2

CINCINNATI P70(ISO46)

NFE 48603 HV

SS 155434

VICKERS M2950S

VICKERS I 286S

# HVC 46

## ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal. When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

## PROPERTIES

| CHARACTERISTICS              | UNITS                    | METHODS    | TYPICAL DATA |
|------------------------------|--------------------------|------------|--------------|
| ISO VG                       | -                        | -          | 46           |
| Specific gravity at 15°C     | kg/m <sup>3</sup>        | NFT 60101  | 877          |
| Kinematic viscosity at 40°C  | mm <sup>2</sup> /s (cSt) | NFT 60100  | 46           |
| Kinematic viscosity at 100°C | mm <sup>2</sup> /s (cSt) | NFT 60100  | 9,2          |
| Viscosity index              | -                        | NFT 60136  | 180          |
| Flash point                  | °C                       | NFT 60118  | 210          |
| Pour point                   | °C                       | NFT 60105  | -36          |
| TAN (TotalAcid Number)       | mg KOH/g                 | ASTM D 664 | 0,77         |

*The average values are given for information only.*