



# Technical Data Sheet

## Hydraulic Oils HVI ISO 32, 46 (Product Codes; 1010, 1035)

### Product Description

Premium high viscosity index anti-wear hydraulic fluids.

### Application

Manufactured from a blend of solvent refined mineral oils, viscosity index improver and multipurpose additive technology. Exhibit excellent oxidation resistance lowering the possibility of gums and lacquers. HVI hydraulic oils are engineered to maintain viscosity control over wide temperature in a range of different applications requiring a uniform hydraulic oil, including machinery operating under very high pressures with vane pumps.

### Outstanding Features

- Suitable for a wide range of hydraulic and other industrial applications
- Extensive range of viscosities to meet most requirements
- Benefiting from a fourfold additive treatment which gives anti-wear, anti-oxidation, anti-corrosion, and low foaming properties.
- Thermally stable in extreme conditions of temperature and load which supports resistance to degradation

### Typical Properties

		32	46
<b>Appearance</b>		Straw/light amber liquid	Straw/light amber liquid
<b>Density @ 15°C (kg/m<sup>3</sup>)</b>	ASTM D4052	0.87	0.87
<b>Flash Point (°C)</b>	ASTM D92	>180	>180
<b>Kinematic Viscosity @ 40°C (mm<sup>2</sup>/s)</b>	ASTM D445	32	46
<b>Kinematic Viscosity @ 100°C (mm<sup>2</sup>/s)</b>	ASTM D445	6.3	8.2
<b>Pour Point (°C)</b>	ASTM D97	<-25	<-25
<b>Viscosity Index</b>	ASTM D2207	100	150

### PERFORMANCE STANDARDS

- Denison HF-0, HF-2
- DIN 51524 Part III HVLP
- ISO 11158 Type HV
- ISO 6743-4 Type HV

## **HEALTH & SAFETY**

This product has been manufactured to the highest standards and when used for the purpose recommended is unlikely to present any significant health hazards. A Material Safety Data Sheet is available.

Indicated data are approximate values and are subject to the usual commercial fluctuations. All information is correct at time of going to press to the best of our knowledge. This information may be subject to change without notification due to continual product research and development.

OptimOil Ltd, Churches View Farm, Kelsall Road, Ashton, Chester, CH3 8BH  
Tel; 01244 390 528 | E-mail; sales@optimoil.co.uk  
Company No: 12838102 | VAT No: 356 2746 79