



## Mobil Hydraulic Oil HLPD Series

Mobil Industrial , Finland

Zinc-free dispersant/detergent type Hydraulic Fluid

### Product Description

Mobil Hydraulic Oil HLPD series are hydraulic fluids containing a selective additive system, for protection of hydraulic systems, plus the addition of detergent/disp additives. Contaminants, deposits and water which may have entered the hydraulic system can damage pump parts, with Mobil Hydraulic HLPD series the dispersed and held in suspension, and adhering particles/deposits are dissolved.

### Features and Benefits

| Features                                     | Advantages and Potential Benefits   |
|--|---|
| Emulsion forming properties                  | Emulsifies water and water mixed cooling fluids, without deteriorating the good anti-corrosion and lubrication properties |
| Special detergent/dispersant additive system | Excellent keep-clean performance in the hydraulic system  |
| Particular polar additives                   | Improvement of glide behaviour and prevention of stick-slip, even under severe operating conditions                       |

### Applications

Mobil Hydraulic Oil HLPD series are suited for use in hydraulic systems, where due to high ingresses of water or contamination a high level of dispersancy is required to prevent water dropout in the system. Mobil Hydraulic Oil HLPD series are particularly recommended for use in hydraulic systems of machine tools, where water cutting fluids may enter the hydraulic system. They can also be used in applications that experience high levels of contamination e.g. mobile hydraulic units (excavators, bulldozers, wheel loaders, truck hydraulic systems).

### Properties and Specifications

| Property  | 32     | 46     | 68     |
|---|--------|--------|--------|
| Grade   | ISO 32 | ISO 46 | ISO 68 |
| Density 15 C, kg/m <sup>3</sup> , DIN 51757 v3          | 0.873  | 0.880  | 0.882  |
| FZG Scuffing, A/8.3/90, Fail Stage, Rating, ISO 14635   | >12    | >12    | >12    |
| Flash Point, Cleveland Open Cup, °C, EN ISO 2592        | 205    | 210    | 225    |
| Kinematic Viscosity 100 C, mm <sup>2</sup> /s, ISO 3104 | 5.4    | 6.7    | 8.6    |
| Kinematic Viscosity 40 C, mm <sup>2</sup> /s, ISO 3104  | 32     | 45     | 68     |
| Load Capacity, N/mm <sup>2</sup> , DIN 51347-2          | 44     | 44     | 47     |
| Pour Point, °C, ASTM D97                                | -27    | -27    | -24    |

### Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.as>

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All properties may not be available locally. For more information, contact your local ExxonMobil contact or visit [www.exxonmobil.com](http://www.exxonmobil.com)

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