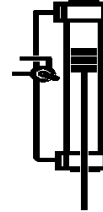
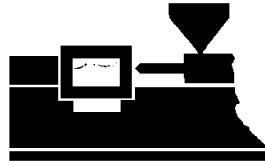


# MOLYDUVAL

## Herkules GWW 46 HFC



### Fire-resistant Hydraulic Fluid

Synthetic, fire resistant hydraulic fluid based on water and glycol. Corresponds to the requirements of "7. Luxemburger report over requirements and examinations of flame resistant Hydraulic fluids for hydraulic power transmission and control in the mining industry".

Nitrite-free, to avoid forming of nitrosamines and in an environmentally friendly manner.

The natural high viscosity index remains in long uses. NBR seals materials are as far as possible steady.

#### Properties

- \* not compatible with mineral oil
- \* free of nitrit
- \* relativ gut dichtungsverträglich, please ask for precise information in regard to your material
- \* high flash point
- \* good ageing resistance
- \* excellent viscosity temperature behaviour
- \* compatible with many seals and plastics
- \* excellent lubrication of shear blades
- \* inmagnetic

#### Applications

- \* for hydraulic mining equipment
- \* for hydraulic equipment in steelworks
- \* for hydraulic equipment in die casting
- \* for hydraulic equipment in hardening equipment

#### Specifications

7. Luxemburger Bericht (1994)  
 VDMA 24317  
 DIN EN ISO 12922  
 DIN EN ISO 6743-4  
 DIN Fachbericht CEN/TR 14489

#### Technical Datas

Density 15°C	kg/m <sup>3</sup>	1080
Viscosity 40°C	mm <sup>2</sup> /s	46
Viscosity Index		226
Foam Properties		10/0
Viscosity 0°C	mm <sup>2</sup> /s	230
*Fliesstemperatur*	°C	< -40
Air release 50°C, to 0,2% air	min	20
Wear Protection Vickers, Gesamtverschleiss	mg	< 50

For further information, please see our website [www.molyduval.com](http://www.molyduval.com) or consult your local representative.

The content of this manual is based on our current knowledge and experience in the development and manufacture of lubricants. Because of the complexity of tribological systems, the effect of our products depends on many parameters, which we cannot assess and which influence we cannot evaluate. For this reason general statements about the function of our products are not possible. The information in this manual, therefore, contains non-binding guidelines, which should give the technical trained reader information on possible applications. The information in this manual does not include property assurances or warranties or guarantees to the properties or suitability of this product in a specific application. Prior to its use it is absolutely necessary to test this product in the application to ensure that the product and its use is safe, economical and fully suitable. It should proceed with due diligence.