

# HYDRAWAY HMA 32

## Zinc free mineral hydraulic oil

### Product description

HYDRAWAY HMA 32 is a mineral oil based zinc-free hydraulic oil with high performance and long life. The product is recommended for all indoor hydraulic systems and certain outdoor hydraulic systems.

### Application areas

HYDRAWAY HMA 32 is recommended for industrial hydraulic systems which require excellent anti-wear protection as well as hydrolytic and oxidative stability. The oil can also be used to advantage in oil-mist and circulation systems, as well as for the lubrication of bearings in machine tools.

### Characteristics and advantages

Modern, compact hydraulic systems place high demands on the hydraulic oils in order to achieve problem-free operation for many years. HYDRAWAY HMA 32 is based on light, hard solvent refined paraffin-based oils with functional improvement additives. HYDRAWAY HMA 32 provides trouble-free operation through its good wear protection and good air and water separation. The oil is zinc-free, which reduces environmental impact and the risk of allergic reactions.

### Tests and approvals

Specifications: DIN 51524/2 HLP, DIN 51524/2 HL, ISO 6743/4 L-HM, IP 281/80, SS 155434

Fulfills: Denison HF-0, HF-1, HF-2; Cincinnati Machine P-68, P-69, P70

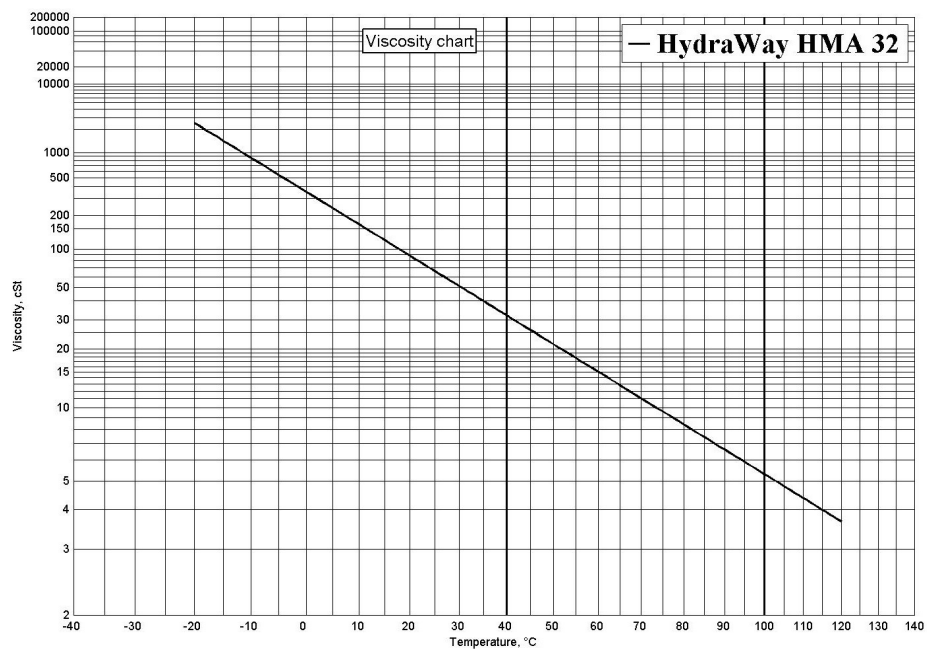
### Handling and storage

Avoid skin contact. In the event of contact with skin, wash with soap and water. Dispose of used oil at a recycling station or equivalent. Safety data sheets are available for professional users and are supplied on request.

### Typical Data

Characteristics	Typical value	Unit	Method
Density at 15°C	870	kg/m <sup>3</sup>	ISO 12185
Flash point COC	229	°C	ISO 2592
Pour point	-30	°C	ISO 3016
Viscosity at 40°C	32	mm <sup>2</sup> /s	ISO 3104

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