

ASH FREE HYDRAULIC OIL



HIGH PERFORMANCE ASHLESS ANTI-WEAR HYDRAULIC OILS

APPLICATIONS

Hydraulic circuits

- **Ash free hydraulic oil** is a high performance ashless anti-wear hydraulic oil designed to fulfill the severest industrial applications: machine tools, mould injection machines, presses, hydraulic systems in steel, wood and paper, mechanical or car industries.
- **Ash free hydraulic oil** is also used in many other applications, where a universal high performance anti-wear lubricant is the first choice : low charged gears, sliding and roller bearings, air compressors, servomotors and control systems equipped with fine filtration systems.

PERFORMANCES

International Specifications

O.E.M.s

- ISO 6743/4 HM
- DIN 51524 P2 HLP
- AFNOR NFE 48603 HM
- Vickers I 286, S
- Cincinatti P 68, P 69, P 70
- MAN N 340

CUSTOMER BENEFITS

Maximum equipment Lifetime

High reliability

- High protection against wear ensuring maximum equipment lifetime.
- Superior thermal stability, avoids the formation of sludge even at high temperature.
- Very good oxidation stability ensuring a long service life of the fluid.
- Remarkable filterability even in the presence of water.
- Excellent hydrolytic stability, avoid filter blocking.
- Excellent protection against rust and corrosion.
- Good anti-foam and air release properties by using silicon free components.
- Good demulsification properties ensuring rapid water separation.
- Excellent compatibility with current elastomers.

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This lubricant used in accordance with our recommendations and for the application for which it is intended does not represent a special hazard. A safety data file conforming to the requirements of current E.C. legislation is available from your local trade consultant and downloaded from <http://www.quick-fds.com>

ASH FREE HYDRAULIC OIL	Methods	Units	46	68
Appearance (visual)	Internal	-	Clear	Clear
Density at 15 °C	ISO 3675	kg/m ³	872	0.883
Viscosity at 40°C	ISO 3104	mm ² /s	47.1	69.0
Viscosity at 100°C	ISO 3104	mm ² /s	6.9	8.7
Viscosity Index (VI)	ISO 2909	-	102	97
Cleveland flash point	ISO 2592	°C	218	247
Pour point	ISO 3016	°C	- 27	- 21
Copper Corrosion	ASTM D130	-	1a	1a
AFNOR Filterability 0.8 micron				
Dry	NFE 48-690	IF	1.0	1.1

The typical characteristics mentioned represent mean values.