

HYDRO HEES

ECOLOGICAL HYDRAULIC FLUID



APPLICATIONS

HYDRO HEES is a hydraulic fluid suitable for all hydraulic systems operating under severe conditions, especially where the environment could be spoiled by oil leaks.

HYDRO HEES is compatible with mineral and vegetable oils, but to conserve the ecological properties of this fluid, it should not be mixed with mineral hydraulic oils.

BENEFITS

- **Minimizes** the effects of pollution on the environment in the event of leaks or accidental spillage.
- Produced from a synthetic base, **HYDRO HEES** has very good anti-wear and anti-corrosion properties, withstands high pressures and is very stable to oxidation and hydrolysis, because of its specific additives.
- Naturally high viscosity index and therefore a very good shear resistance so that it can be used over a wide range of temperatures (above 80°C in continuous use) and at high pressures.
- Thanks to its chemical nature, **HYDRO HEES** can be drained up to 4,000 hours under the most severe conditions of use and under analytical control

PERFORMANCES

PERFORMANCE LEVELS

DIN 51524 Part 4 category HEES
ISO 15380 category HEES

CHARACTERISTICS

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA		
ISO Grade	-	-	22	32	46
Specific gravity at 15°C	kg/m3	NF T 60-101	903	909	919
Kinematic viscosity at 40°C	mm ² /s	NF T 60-100	23,6	34,3	45,7
Kinematic viscosity at 100°C	mm ² /s	NF T 60-100	5,9	7,5	9,1
Viscosity index	-	NF T 60-136	213	196	189
Flash point	°C	NF T 60-118	212	236	310
Pour point	°C	NF T 60-105	-24	-20	-48
Ecotoxicity on seaweeds	mg/l	OECD 201	> 100		
Ecotoxicity on daphnies	mg/l	OECD 202	> 100		
Ecotoxicity on fishes	mg/l	OECD 203	> 100		
Biodegradability	%	CEC L-33-A-93	95	98,6	
Biodegradability	%	OECD 301 B	84	75	
Compatibility with VITON – fluorated silicone – BUNAN NEOPRENE – polyurethane joint	- - -	- - -	Compatible Compatible		

This typical data is given for information only

HEALTH, SAFETY AND ENVIRONMENT

Elimination must be carried out to conform to the rules set for the disposal of used mineral oils.

Must be stored away from bad weather.