

# **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.

### **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	mm²/s	NF T 60-100	23,6	34,3	45,7	
Kinematic viscosity at 100°C	mm²/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	
<b>Ecotoxicity on seaweeds</b>	mg/l	OECD 201	> 100			
<b>Ecotoxicity on daphnies</b>	mg/l	OECD 202	> 100			
<b>Ecotoxicity on fishes</b>	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	-	-	Compatible			
NEOPRENE – polyurethane joint	-	-	Compatible			

This typical data is given for information only

# とろろ

### **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.

Should you need further details, our Technical Department remains at your disposal.