



BIOHYDRAN SE 46



Synthetic biodegradable hydraulic oil.

APPLICATIONS

Hydraulic circuits

- **BIOHYDRAN SE** is a high quality biodegradable hydraulic oil. Its formulation is based upon a new technology incorporating saturated synthetic esters.
- **BIOHYDRAN SE** is particularly recommended where there is a danger of contaminating water, forests and special environments: forestry, river works, offshore operations, water treatment, dredging, fishing, and so on.
- **BIOHYDRAN SE** can replace mineral oils when the circuit is drained. However it is recommended that the filters be changed.

PERFORMANCE

International specifications • VDMA 24568 TYP HEES

CLIENT ADVANTAGES

Outstanding properties

Protects the environment

- Outstanding viscosity performance, especially at low temperature, allowing operations over a wide temperature range (from -20°C to +100°C). Very high natural viscosity number.
- Excellent resistance to mechanical shear, guaranteeing the performance of hydraulic systems.
- Its excellent lubricating properties combat wear and corrosion and so extend the lifetime of mechanical components.
- Its resistance to heat and hydrolysis ensures a long service life.

CHARACTERISTICS

	METHODS	UNITS	BIOHYDRAN SE
Density at 15°C	ISO 3675	kg/m ³	945
Viscosity at 40°C	ISO 3104	mm ² /s	46
Viscosity at 100°C	ISO 3104	mm ² /s	8.7
Viscosity number	ISO 2909	-	170
Pour point	ISO 3016	°C	- 48
21-day biodegradability test	CEC L-33-A-93	%	> 95
Useable temperature range		°C	- 20 to 100°C (peak at 120°C)

The characteristics shown in this table are typical values given for illustrative purposes

