

HYDRO BIOSAT 46

BIODEGRADABLE SYNTHETIC HYDRAULIC OIL



APPLICATIONS

HYDRO BIOSAT 46 is recommended for the most stressed hydraulic systems of agricultural tractors and public works equipment. Thanks to its high natural viscosity index, **HYDRO BIOSAT 46** can cover viscosity classes ISO 32 – 46 – 68.

HYDRO BIOSAT 46 is recommended wherever the environment may be threatened by oil leaks or losses.

HYDRO BIOSAT 46 is compatible with mineral and vegetable oils. But to preserve the ecological effect of this oil, you must avoid mixing it with mineral-based hydraulic oils.

BENEFITS

- With a **synthetic ester base**: Minimises the effects of pollution on the environment in the event of accidental spills or leaks
- Very good anti-wear properties
- Excellent compatibility with elastomers (NBR, FRM, EPDM, HNBR)
- Increased resistance to oxidation due to its chemical nature based on saturated ester

PERFORMANCES

HYDRO BIOSAT 46 can be eco-labelled.

PERFORMANCE LEVELS

NF E 48603 Category HV
 ISO 6743-4 Category HV
 ISO 15380 Category HEES
 DIN 51524 Part 4 Category HEES

CHARACTERISTICS

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
ISO grade	-	-	46
Density at 15°C	kg/m ³	NF T 60-101	930
Kinematic viscosity at 40°C	mm ² /s	NF T 60-100	46.2
Kinematic viscosity at 100°C	mm ² /s	NF T 60-100	8
Viscosity index	-	NF T 60-136	146
Open-cup flash point	°C	NF T 60-118	239
Pour point	°C	NF T 60-105	-30
Eco-toxicity on seaweed	mg/l	OECD 201	> 100
Eco-toxicity on daphnia	mg/l	OECD 202	> 100
Eco-toxicity on fish	mg/l	OECD 203	> 100
Biodegradability	%	OECD 301 B	> 75

The typical data provided are only approximate values

HEALTH, SAFETY AND ENVIRONMENT

Disposal must comply with applicable regulations pertaining to the disposal of used oils.

Store in a sheltered area.

Our technical department is available to provide advice if needed.