



HYD BIO 46 VGE

BIO Ester Hydraulic Oil

No. 460046

DEUTSCHÖL HYD BIO 46 VGE is based on saturated synthetic esters and is readily biodegradable. Thanks to high-quality base oil and a high-performance additive package, it achieves an excellent level of performance regarding low-temperature stability, oxidation stability, and corrosion resistance.

DEUTSCHÖL HYD BIO 46 VGE can be used safely and gently on equipment yearround, even in cold conditions. It passed the FZG gear scuffing test (DIN ISO 14635-1) with the highest possible rating: scuffing load stage 12.

DEUTSCHÖL HYD BIO 46 VGE is fully miscible with HEES 46 class hydraulic oils (saturated and unsaturated). The resulting mixtures will meet or exceed the required specifications, although the technical properties of the mixture will differ from the original specifications of REKTOL PROTECTOR HYD VGE 46 BIO. When switching products, it is recommended to thoroughly drain and flush the hydraulic system.

DEUTSCHÖL HYD BIO 46 VGE is suitable for applications where there is a risk of leaking hydraulic fluid entering groundwater or wastewater systems. It can be used in stationery and mobile hydraulic systems, such as those in forestry, construction machinery, and agriculture.

DEUTSCHÖL HYD BIO 46 VGE has passed the OECD 301 B biodegradability test.

Typical Values:

Properties	Testing according	Data	Unit
Density at 15°C	DIN 51757	0,970	g/ml
Flashpoint	DIN ISO 2592	> 260	°C
Viscosity at 40 °C	DIN 51562	46	mm ² /sec
Viscosity at 100 °C	DIN 51562	9,5	mm ² /sec
Pourpoint	DIN ISO 3016	-45	°C