

RUBRIC BIO SYNT 46

Biodegradable hydraulic fluid

DESCRIPTION

RUBRIC BIO SYNT 46 is an ester based high performance biodegradable hydraulic fluid which can be used in all available hydraulic systems.

Due to its readily biodegradability (OECD 301B 90 % after 28 days) and non-toxic character there is virtually no harm when using this product in applications when there might be a risk of spillage.

APPLICATIONS

RUBRIC BIO SYNT 46 can be used in almost all hydraulic systems driven by piston, gear and vane pumps.

The oil can be used when fine filters are installed. There is no loss of additive performance to 3 microns.

RUBRIC BIO SYNT 46 is compatible with all common mineral hydraulic oils and synthetic esters.

RUBRIC BIO SYNT 46 is compatible with the most commonly used paints and elastomers. Note: some competitive products do have a negative effect on elastomers. When changed over to Comet Pine oil the condition of the elastomer must still be in a reasonable condition in order to not cause any leakage.

ADVANTAGES

- Year around use.
- Oxidation and thermal stability.
- Hydrolytic stability.
- Superior rust and corrosion protection.
- Anti-wear protection.
- Non-toxic and low odour.

TECHNICAL INFORMATION

NAME	UNITS	METHOD	RUBRIC BIO SYNT 46
Color	-	ASTM D1500	1.5
Density at 20°C (68°F)	g/mL	ISO 12185	0.929
Viscosity at 40°C (104°F)	cSt	ASTM D445	43.2
Viscosity at 100°C (212°F)	cSt	ASTM D445	8.8
Viscosity Index	-	ASTM D2270	189.0
Flash point	°C	ASTM D92	292.0
Pour point	°C	ASTM D97	-41.0
Copper Strip Corrosion	-	ASTM D130	1A
4 Ball test - Wear scar	mm	ISO 20.623	0.74
4 Ball test - Weld load	kg	ISO 20.623	126
Demulsibility	-		39/38/3/50

These characteristics are given only for information and can be updated over time.

Seal compatibility	FPMNBR1EPDM
Change in mass (%)	0.2 0.9 28.5
Change in volume (%)	0.4 1.7 33.1
Change in hardness (%)	-0.7 -1.7 -12
Change in resistance to breakage (%)	-2 -2 -40
Change in elongation to breakage (%)	3 -4 -29

SERVICES AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and monitoring of your lubricants. Please contact your technical sales representative for more information.