



Ecomax XSE

Biodegradable hydraulic fluid

Description

Ecomax XSE are a premium hydraulic biodegradable fluids environmental friendly for hydraulic systems with high temperature variations, difficult environments, for marine, industrial and automotive applications. This products is based on fully saturated synthetic esters and special additives that provide good stability over a wide range of temperatures.

Benefits

- Good behavior at different temperatures

- Biodegradable.
- Longer life equipment
- Less wear
- High flash point.
- High stability in service.
- Low friction coefficient.
- High oxidation stability

Applications

These oils are recommended for systems with difficult environments and high temperature variation. Ecomax XSE is used in marine, automotive and industrial applications.

Typical performance data

	XSE 22	XSE 32	XSE 46	XSE 68
Appearance	Oily liquid	Oily liquid	Oily liquid	Oily liquid
Color	Yellowish	Yellowish	Yellowish	Yellowish
Density @ 20°C, g/m ³	0.98	0.98	0.99	0.99
Viscosity @ 40°C, cSt	22	32	46	68
Flash point, °C	>235	>235	>235	>235
Pour point, °C	<-40	<-40	<-40	<-40
Demulsibility D1401 20'	40/38/2	40/38/2	40/37/3	40/37/3
Rust characteristics ASTM D665 procedure B sea water	Pass	Pass	Pass	Pass
Biodegradability OECD 301, %	77	71	67	62
AW 4-ball scar test, mm	0.35	0.35	0.35	0.35
Copper corrosion ASTM D130	1a	1a	1a	1a

Acute toxicity:

LC50 (96 h) > 10000 mg/l OECD 203
EL50 (15 d) > 2570 mg/l (Daphnia) OECD 202 part 2
EC50 (3 h) > 10000 mg/l OECD 209



EU Ecolabel : NL/027/020

All performance data on this Technical Data Sheet are indicative only and can vary during production

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