



Ecomax XESE

Biodegradable stern tube lubricant

Description

Ecomax XESE is high performance emulsifying biodegradable fluid for marine stern tubes and stabilisers bearings that meets Vessel General Permit (VGP). Ecomax XESE is formulated from saturated synthetic esters and ashless additives to provide maximum lubrication, effective protection over a wide range of conditions, low temperature pumpability due to its high viscosity index and good ability to withstand oxidation at high temperatures.

Applications

Marine stern tube system, fin stabilizers and CPP (Controllable Pitch propellers) where spills or leakage could occur. Also suitable in systems where readily biodegradable or environmental friendly fluids are required.

Some elastomers maybe not suitable to use with esters, please consult seals compatibility before using Ecomax XESE. Ecomax XESE is compatible with mineral oils however to ensure environmental properties the system should be drained and flushed when changing fluids.

Benefits

- High viscosity index
- Good behaviour at different temperatures
- Biodegradable
- Environmental friendly
- High flash point
- Compatible with most typical oils
- Excellent load carrying capability and corrosion protection

Typical performance data

	XESE 68	XESE 100	XESE 150
Density @ 20 °C, g/ml	0.92	0.92	0.93
Viscosity @ 40 °C, cSt	68	100	150
Viscosity @ 100 °C, cSt	13	18	21
Viscosity Index	130	130	130
Pour point, °C	<-35	<-30	-30
Flash point, °C	>240	>240	>260
Rust Procedure B ASTM 665	Pass	Pass	Pass
TOST test, h	>9000	>9000	>9000
Demulsification 30 min	0/15/65	0/15/65	0/15/65

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

Matrix Specialty Lubricants BV - info@matrix-lubricants.com – www.matrix-lubricants.com



Acute Toxicity

LC ₅₀ (96 h) > 10000 mg/l	OECD 203
EL ₅₀ (15 d) > 2570 mg/l	(Daphnia) OECD 202 part 2
EC ₅₀ (3 h) > 10000 mg/l	OECD 209

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

Matrix Specialty Lubricants BV - info@matrix-lubricants.com – www.matrix-lubricants.com