

ECOSURE EAF RANGE



DESCRIPTION

ECOSURE EAF is a range of biodegradable, anti-wear hydraulic fluids. These fluids are based on renewable esters and use state-of-the-art ashless, zinc-free additive technology. This range of products meets the requirements stipulated in ISO 15380 for Environmentally Acceptable Hydraulic Fluids.

VGP & ENVIRONMENTAL LABELS

The ECOSURE EAF range meets the environmental requirements of Swedish Standard SS 15 54 34 and is also listed on the USDA BioPreferred® Program. The ECOSURE EAF range meets the US EPA's definition of an Environmentally Acceptable Lubricant (EAL), as described in the Vessel General Permit (VGP).

APPLICATIONS

The ECOSURE EAF range can be used in hydraulic applications in sensitive environments where there is potential for fluid loss to occur. ECOSURE EAF is designed for use in hydraulic and circulating systems in industrial, mining, marine and mobile applications.

CERTIFICATION

- Eaton Vickers 35VQ and 104C
- ISO 15380 category HEES environmental hydraulic fluids, synthetic ester
- Parker Hannifin Denison HF-1, HF-2, HF-6

COMPATIBILITY

Compatible with standard NBR1, HNBR and FKM seal elastomers. Should not be used in systems with neoprene, butyl rubber and EPDM.

FEATURES AND BENEFITS

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| • Biodegradable | Reduced environmental impact in the event of spillage |
| • Good oxidative stability | Less sludge and longer fluid life |
| • Extreme temperature resistance | Extended lubrication intervals |
| • Good thermal stability | Less fluid thickening and system failures |
| • Improved lubricity | Reduced wear and longer pump life |
| • Strong demulsification | Excellent water separation |
| • Good shear stability | Less viscosity loss, fewer fluid changes and prolonged pump life |
| • Good long-term filterability | Less filter blockages and downtime |

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Accredited to the ISO 9001
Quality Standard and the
ISO 14001 Environmental
Management Standard



ECOSURE EAF RANGE



TYPICAL CHARACTERISTICS AND PROPERTIES

ECOSURE EAF RANGE	TEST METHOD	22	32	46	68	100
Appearance	Visual	-----Clear and Bright-----				
Viscosity at 40°C (cSt)	ASTM D7042	22	32	46	68	100
Viscosity Index	ASTM D2270	155	167	175	173	170
Pour Point (°C)	ASTM D7346	-60	-51	-48	-48	-48
Flash Point (°C)	ASTM D92	>185	>185	>185	>185	>185
Density @15°C (kg/l)	ISO 12185	0.88	0.88	0.88	0.89	0.89
Shelf Life	5 years in original sealed containers whilst stored out of direct sunlight					

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