

ExxonMobil 68 Mobil EAL EnviroSyn H Series

Category : Fluid , Lubricant

Material Notes:

Mobil EAL EnviroSyn H Series oils are super premium, high performance fully synthetic environmentally aware hydraulic and circulating oils designed to provide outstanding performance in systems operating at moderate to severe conditions. They provide excellent wide temperature range performance above and beyond the capabilities of non-synthetic environmentally aware oils. Mobil EAL EnviroSyn H Series provides exceptional anti-wear and film strength characteristics necessary for hydraulic systems operating under high load and high pressures. This is verified by their excellent wear control in the ASTM D 2882 and Vickers 35VQ25 Pump Wear Tests. Their 12-stage rating in the FZG Gear Load Test demonstrates a high level of protection against wear and scuffing and the suitability of this product to protect gears and bearings used in conjunction with hydraulic systems. The Mobil EAL EnviroSyn H Series provide excellent protection against corrosion and ensures very good multi-metal compatibility allowing its use in systems employing various metallurgy that may be used in pump and component design. They also provide very good thin oil film protection against rusting. In addition to their exceptional performance capability, they satisfy the requirements for ready biodegradability and non-toxicity making them a desirable product for severe operating conditions where leakage or spillage of conventional oils could result in damage to the environment. Mobil EAL EnviroSyn H Series oils are formulated from select, high-quality, high-VI synthetic base oil materials and high technology additive system specifically engineered to meet or exceed the performance requirements of most hydraulic pump and system builders while satisfying the stringent criteria for biodegradability and toxicity. Compared to the best vegetable oil-based and synthetic ester based hydraulic oils, these products provide improved oxidation stability and anti-foam performance, together with improved high and low temperature performance (-20° F to 200° F). Hydraulic systems where spills or leakage could result in damage to the environment; In systems where readily biodegradable and virtually non-toxic fluids may be required; Circulation systems containing gears and bearings where mild extreme-pressure characteristics are desired; Systems containing servo-valves; Hydraulic systems operating with oil temperatures in the range of -20F to 200F; Marine and mobile equipment operating in environmentally sensitive areas; Circulation systems operating under mild to moderate service conditions; Industrial hydraulic systems where leaked or spilled fluids could get into plant effluent; Air line oilers and some limited oil-mist generating systems; Air-over-hydraulic fluid systems operating in environmentally sensitive areas

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-68-Mobil-EAL-EnviroSyn-H-Series.php

Physical Properties	Metric	English	Comments
Density	0.884 g/cc @Temperature 15.0 °C	0.0319 lb/in ³ @Temperature 59.0 °F	ASTM D4052
Viscosity Measurement	138	138	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	69 cSt	69 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	10.1 cSt	10.1 cSt	ASTM D445

Thermal Properties	Metric	English	Comments
Pour Point	-39.0 °C	-38.2 °F	ASTM D97

Flash Point Thermal Properties	266 °C Metric	511 °F English	ASTM D92 Comments
Descriptive Properties			
Aquatic Toxicity, LC50, Trout, OECD 203, ppm		5000 (min)	
Biodegradability, CO2 Conversion, %		60 (min)	EPA 560/6-82-003
FZG Gear Test, DIN 51534, Fail Stage		12	
Rust Prevention, Synthetic Sea Water		pass	ASTM D665B

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