

Synthetic Esters Hydraulic Oil (SH2)



Product Description

Podlee SH2 is a high-performance hydraulic fluid formulated with synthetic ester base oils, engineered to ensure operational safety and reliability in extreme industrial environments. Certified to ISO 6743-4 HFDU (Synthetic Fluid Category) and compliant with global safety standards.

Application

Suitable for hydraulic systems in the steel industry, including continuous casting production lines, blast furnaces, furnace dismantling machines, hot rolling mills, foundries, molten steel ladle valves, power plants, coal mines, and other fire-resistant and safety-critical equipment. It can also serve as a high-performance alternative to phosphate-ester based fire-resistant hydraulic fluids.

Advantages

Low pour point, high flash point, and high viscosity index
Excellent lubrication performance and material compatibility
Good thermal stability and outstanding shear stability
Biodegradable

Typical Characteristics

Item	Test Data			Standard
Viscosity (mm ² /s@104 °F /40 °C)	32	46	68	ASTM D445
Viscosity Index	185	187	189	ASTM D2270
Flash Point – Open Cup Method, (°F/°C)	518/270	518/270	518/270	ASTM D92
Pour Point (°F/°C)	-67/-55	-65/-54	-58/-50	ASTM D97
pH Value	8.9	10.2	10.1	ASTM E70
Copper corrosion	1b	1b	1b	ASTM D130
Manifold ignition test (1299°F/704°C)	Non-flammable	Non-flammable	Non-flammable	ISO 20823

Package

18 L/Barrel

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