

SPD Hydraulic HFD-R

SPD Hydraulic HFD-R is a synthetic phosphate ester based, HFD-R type high temperature resistant special synthetic hydraulic fluid produced to provide more safety in the industrial field and to prevent fire hazards caused by high heating in energy and hydraulic systems.

Usage

SPD Hydraulic HFD-R is recommended to be used in the following systems operating under extreme temperature and extreme pressure: Hydraulic systems, equipment with hot steam and overloads in the energy sector, control systems of steam and gas turbines, all power/energy generation facilities, in hydraulic systems of construction machinery and wherever it is thought to be a fire hazard due to high temperatures.

Features

High Heat and Oxidation Resistance: This product extends oil life while providing long oil change intervals.
Low Ash, Perfect Cleanliness: Extends catalyst life with its low ash value.
High Lubrication Feature: While providing very good lubrication feature, it also protects the system against wear.
Classified as Harmless: Not classified as harmful to human health.

Technical Specifications

Appearance	Visual	Bright & Clear
*Density @15 °C, gr/ml	ASTM D 4052	1,13
*Kinematic Viscosity @40˚C, cSt	ASTM D 445	48,2
Flash Point, ˚C	ASTM D 92	>230
Fire Point, °C	ASTM D 92	>300
*Foaming Stability, Stage II, mL/mL	ASTM D 892	10/0

**Data given above are typical properties and may vary slightly.*

Performance

HFD-R Type ISO 6743-4 Specification

Revision Number

12.11.2025 / REV02