

Lubricants for industry.



Fundicol SYNT EHC

Biodegradable fire-resistant hydraulic fluid formulated with phosphoric ester.

› Use

- Recommended for use in electro-hydraulic control systems of steam turbines, including systems using servo valves.
- Fire-resistant fluid in steam turbines and gas turbines.

› Benefits

- Fire-resistant.
- Excellent resistance to oxidation and corrosion.
- Good anti-foam and air release properties.
- Recommended by most turbine manufacturers. Alstom, General Electric, Siemens, etc.

› Specifications

• ISO Standard 12922	• FM Global Group - Standard 6930
• ASTM 4293 'Less flammable hydraulic fluids'	• SIEMENS TLV 9012 02 and TLV 9012 03ES
• Alstom HTGD 690149 P	• GEK 46357ES

› Physical and chemical properties

Characteristic	Units	Method	Fundicol SYNT EHC
Density at 20°C	Kg/l	ASTM D-4052	1.150
Flash point, v/a	°C	ASTM D-92	262
Fire point, v/a	°C	ASTM D-92	354
pour point	°C	ASTM D-5950	-24
Viscosity at 40°C	cSt	ASTM D-445	44.5
Viscosity at 100°C	cSt	ASTM D-445	5.4
Autoignition point	°C	DIN 51794	540
Air release at 50°C	min	ASTM D-3427	5.5
Biodegradability	%	OECD 301B	>60

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.

› Table of compatibilities

Material	Seals, sleeves, accumulators	Insulation wires and wire rope	Paint	Filters
Acrylic	-	-	RL	-
Activated Alumina	-	-	-	A
Alkyd Paint	-	-	A	-
Butyl Rubber	R	-	-	-
Cellulose	-	-	-	A
Ethylene-Propylene Rubber	A	-	-	-
Epoxy Paint (Cured)	-	-	R	-
Fullers Earth	-	-	-	A
Ion Exchange Resins	-	-	-	R
Natural Rubber	RL	-	-	-
Chloroprene Rubber (CR)	RL	-	-	-
Neoprene	-	-	-	-
Nitrocellulose	-	-	RL	-
Nitrile Butadiene Rubber (NBR)	RL	-	-	-
Nylon	R	R	-	-
Paper	-	-	-	A
Phenolic resins	-	-	RL	-
Polyethylene (PE)	-	A	-	-
Polypropylene (PP)	-	A	-	-
Polyurethane Paint	-	-	A	-
Polyvinyl Chloride (PVC)	-	RL	-	-
Silicone Rubber	RL	A	-	-
Polytetrafluoroethylene (PTFE)	R	R	-	-
Teflon	-	-	-	-
Vinyl Ester Paint	-	-	A	-
Fluorocarbon Rubber (FPM) Viton	R	-	-	-

Legend:

R · Recommended

NR · Not Recommended

A · Acceptable

› Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.