



WATER-BASED HYDRAULIC FLUID

POJ-70

DESCRIPTION

HYDRAUNYCOIL FH55 is a water/glycol hydraulic fluid with a viscosity of 3 cSt at 40°C. It is inhibited against rust and corrosion of yellow metals. It also contains a lubricity additive.

HYDRAUNYCOIL FH 55 can be used in the temperature range of -50°C to +100°C.

APPLICATIONS

HYDRAUNYCOIL FH 55 is intended primarily for use as a recoil hydraulic fluid for tanks and artillery of Russian origin. It is also used as hydraulic fluid in tanks for aiming devices. It is approved by the Russian Ministry of Defence for such applications.

HYDRAUNYCOIL FH 55 can substitute HYDRAUNYCOIL FH 1 (Steol-M) in recoil mechanisms, the benefit being its much better profile from the health and environment point of view.

SPECIFICATIONS * / OEM's & Airframers reference

- Substitute to TU 6-01-57575838-79 Amd. 3
- Substitute to POJ-70

* **Substitute:** The product has not been developed to meet the specification requirements but can be used as a substitute to the Russian product.

CHARACTERISTIC	UNIT	TYPICAL RESULT	TU 6-01-575-7583-8-79 LIMIT	TEST METHOD
Appearance	-	Slightly hazy	Turbid	Visual examination
Density at 20°C	-	1.091	1.085 to 1.095	ASTM D4052
Kinematic Viscosity	mm ² /s			ASTM D445
at 80°C		1.40	min. 1.2	
at 50°C		2.66	min. 2.4	
at -50°C		750	max. 750	
pH Value	-	8.7	7 to 9	pH meter
Boiling Point	°C	135	min. 115	ASTM D86
Pour Point	°C	< - 70	max. - 70	ASTM D97
Solid Residue	% weight	0.0018	max. 0.70	-
Metal Corrosion (120 h @ 80°C)	mg/cm ²			§ 4.9 of TU-6-01-57575838-79
- Steel GOST 1050		0.055	max. 0.3	
- Copper GOST 859		0.062	max. 0.2	
- Brass L63 GOST 2208		0.043	max. 0.2	
Stability (6h @ -60°C)	-	pass	No crystal formation	Visual examination

The values above are typical values. They do not constitute any contractual commitment.

Sales specifications are available on request. The present technical data sheet replaces all the previous editions