

## RUST-INHIBITED PETROLEUM HYDRAULIC FLUID

PX-26 – C-635 – DCSEA 535/A – DEF STAN 80-142 Iss.2 – MIL-PRF-6083 F

### Description

Hydrauncoil FH 6 is a petroleum-based hydraulic fluid with a viscosity of 15 cSt at 40°C and a viscosity index exceeding 300. It exhibits strong anti-rust properties.

Hydrauncoil FH 6 is microfiltered and is supplied with a controlled particulate contamination. It can be used over an extremely wide temperature range, from -54°C to +135°C in air-tight circuits.

### Application

Hydrauncoil FH 6 is intended primarily for use as a preservative medium for aircraft hydraulic systems and components and as an operational preservative fluid for ordnance equipment such as recoil systems and hydraulic systems for rotating weapon or aiming devices.



Characteristic	Unit	Result	Limit*	Test method
- Appearance	-	conform	MIL-PRF-6083	visual examination
- Color	-	red clear	MIL-PRF-6083	-
- Specific gravity at 15.6°C	kg/dm <sup>3</sup>	0.852	0.849 - 0.855	ASTM D 4052
- Kinematic viscosity at 100°C 40°C - 40°C - 54°C	mm <sup>2</sup> /s	5.8 15.8 490 2260	- max. 13.0 max. 800 max. 3500	ASTM D 445
- Stability 72 h at - 40°C	-	pass	MIL-PRF-6083	FTM-S-791-3459
- Flash point, PM	°C	96	min. 82	ASTM D 93
- Pour point	°C	- 66	max. - 59	ASTM D 97
- Acid number (pH = 11)	mg KOH/g	0.07	max. 0.20	ASTM D 664
- Evaporation loss 22 h at 100°C	% weight	74	max. 75	ASTM D 972
- Copper corrosion 72 h at 100°C	-	2	max. 3 a	ASTM D 130
- Water content	mg/kg	200	Max. 500	MO-10-001 A
- Steel-on steel wear	mm	0.95	max. 1.0	ASTM D 4172
- Solid particles Filtration time Particle counting 5 - 25 micrometers 26 - 50 micrometers 51 - 100 micrometers > 100 micrometers	min/100 cm <sup>3</sup> nb/100 cm <sup>3</sup>	5 pass pass pass pass	max. 15	FTM-S-791-3009 HIAC
- Humidity Cabinet Test	-	pass	MIL-PRF-6083	ASTM D 1748
- Swelling of synthetic rubber NBR L after 168 h at 70°C	% volume	23	19 to 28	MIL-PRF-6083
- Foaming characteristics - Foam volume (after) at 24°C 5 minutes aeration 10 minutes settling at 94°C 5 minutes aeration 10 minutes settling at 24°C/94°C 5 minutes aeration 10 minutes settling	cm <sup>3</sup>	20 0 30 0 30 0	max. 65 0 max. 65 0 max. 65 0	ASTM D 892

\* Specification MIL-PRF- 6083 F

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.