

## PETROLEUM HYDRAULIC FLUID

OM-18 – H-520 – DCSEA 415/A – DEF STAN 91-48 Iss.2 (OM-18)

### Description

Hydrauncoil FH 5 is a petroleum-based hydraulic fluid with a viscosity of 14 cSt at 40°C. It contains anti-corrosion and anti-wear additives.

Hydrauncoil FH 5 has an extremely wide operating temperature range (from - 54°C to + 135°C in air-tight circuits and - 54°C to + 90°C in open circuits) and a viscosity index exceeding 300.

### Application

Hydrauncoil FH 51 is used in hydraulic systems of military aircraft (jet fighters, transport aircraft, helicopters) or missiles, as well as general purpose hydraulic fluid for ground equipment (tanks, artillery...).



Characteristic	Unit	Result	Limit*	Test method
- Appearance	-	red, limpid	red, limpid	visual examination
- Specific gravity at 15°C	kg/dm <sup>3</sup>	0.874	report	ASTM D 4052
- Kinematic viscosity at 100°C 40°C - 40°C - 54°C	mm <sup>2</sup> /s	5.25 13.8 405 1835	min. 5.0 min. 13.0 max. 500 max. 3000	ASTM D 445
- Stability 72 h at - 54°C	-	conform	DCSEA 415/A	FTM-S-791-3458
- Flash point , PM	°C	94	min. 82	ASTM D 93
- Pour point	°C	- 66	max. - 60	ASTM D 97
- Acid number (pH = 11)	mg KOH/g	0.03	max. 0.20	ASTM D 664
- Evaporation loss 6 h at 71°C	% weight	17.0	max. 20.0	ASTM D 972
- Copper corrosion 72 h at 135°C	-	2a	max. 2e	ASTM D 130
- Water content	mg/kg	63	max. 100	MO-10-001 A
- Steel-on steel wear	mm	0.88	max. 1.0	ASTM D 4172
- Elastomer swelling NBR-L 168 h at 70°C	% volume	29	19 to 30	AIR 1653/A
- Foaming test at 24°C Tendency Stability (after 10 min)	cm <sup>3</sup>	40 0	max. 60 0	ASTM D 892

\* Specification DCSEA 415/A

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.