NYCO DEFENCE

TECHNICAL DATA SHEET

HYDRAUNYCOIL FH 6

RUST-INHIBITED PETROLEUM HYDRAULIC FLUID

NATO CODE C-635 – MIL-PRF-6083 G

DCSEA 535/A – DEF STAN 80-142 Iss.2 – PX-26

DESCRIPTION

Hydraunycoil FH 6 is a petroleum-based hydraulic fluid with a viscosity of 15 cSt at 40℃ and a viscosity index exceeding 3 00. It exhibits strong anti-rust properties.
Hydraunycoil FH 6 is micro-filtered and is supplied with a controlled particulate contamination. It can be used over an extremely wide temperature range, from - 54℃ to + 135℃ in air-ti ght circuits.

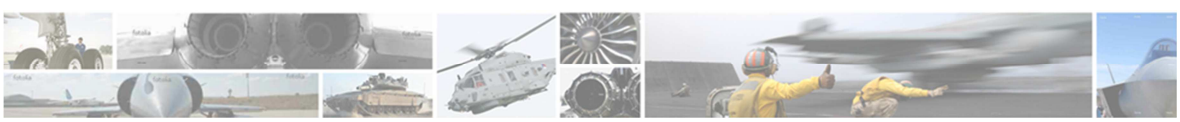
APPLICATION

Hydraunycoil 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	Typical Result	DEF STAN 80-142/2 Limit	Test method
- Appearance	-	conform	clear, homogeneous, free from visible impurities	visual examination
- Colour	Lovibond Red	27	20 - 40	IP 71
- Density at 20°C	-	0.853	-	ASTM D 4052
- Kinematic viscosity **at 100℃** **at 40℃** **at -40℃** **at - 54℃**	mm²/s	5.7 15.2 470 2160	min. 4.0 min. 13.0 max. 500 max. 3000	ASTM D 445
- Stability, 72h at - 54℃	-	pass	conform	FTM-S-791-3458
- Flash point, PM	℃	91	min. 81	ASTM D 93
- Pour point	℃	- 66	max. - 60	ASTM D 97
- Total acid number	mg KOH/g	0.04	-	ASTM D 664
- Evaporation loss, 6 h at 71℃	% w	15.8	max. 20	ASTM D 972
- Copper corrosion, 2 h at 100℃	-	2	max. 2	IP 154
- Water content	mg/kg	160	max. 500	ASTM D 1533
- Steel-on steel wear, 1h at 40 kg	mm	0.97	max. 1.5	IP 239
- Solid particle content **5 - 15 µm** **15 - 25 µm** **25 - 50 µm** **51 - 100 µm** **> 100 µm**	nb/100 cm³	2000 480 70 12 1	max. 10000 max. 1000 max. 150 max. 20 max. 5	HIAC automatic counter
- Humidity Cabinet Test	h	340	min. 100	ASTM D 1748
- Elastomer NBR-L compatibility, 168 h at 70℃	% v	24	19 to 30	FTM-S-791-3603
- Foaming test (tendency/stability) **at 24℃** **at 94℃** **at 24℃ after 94℃**	cm³/min	50/0 35/0 50/0	max. 100/0 max. 100/0 max. 100/0	ASTM D 892

TFH6-2E4a

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.



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