NYCO
AERONAUTICS & DEFENCE

HYDRAUNYCOIL FH 39

TECHNICAL DATA SHEET

SYNTHETIC HYDRAULIC FLUID

DESCRIPTION

HYDRAUNYCOIL FH 39 is a high performance, fully synthetic hydraulic fluid based on a blend of poly-alpha-olefins and esters, with a kinematic viscosity of 20 mm²/s at 40°C and viscosity index exceeding 210.

It contains highly efficient antioxidant, anti-corrosion and anti-wear additives.

APPLICATIONS

HYDRAUNYCOIL FH 39 is intended primarily for use as an operational hydraulic fluid working under the severe conditions of high pressure and high flow rate pumps. It may be used over an extremely wide temperature range, from -40°C to +160°C in airtight circuits.
It has been specifically designed for the main hydraulic fluid system of the FNSS Pars 8×8 wheeled armoured combat vehicle.

CHARACTERISTIC	UNIT	TYPICAL RESULT	TEST METHOD
Appearance	-	Clear red oil	Visual examination
Kinematic viscosity **At 100°C** **At 40°C** **At - 40°C**	mm²/s	5.3 20.4 2410	ASTM D445
Viscosity Index	-	215	ASTM D2270
Stability, 72h at -40°C	-	Pass	FED-STD-791-3459
Flash point, COC	°C	185	ASTM D92
Pour point	°C	-66	ASTM D97
Copper corrosion, 3h at 100°C	Rating	1a	ASTM D130
Water content	mg/kg	50	ASTM D1533
Wear scar, 4-ball machine **1h – 392 N – 75°C**	mm	0.5	ASTM D4172
Foaming at 24°C, seq. I	ml/ml	50/0	ASTM D892

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.

NYCO, 66 avenue des Champs-Élysées BP 414 - 75366 Paris CEDEX 08 - France
Tel : +33 1 45 61 50 00 - Fax : +33 1 45 61 50 13 - info@nyco.fr - www.nyco.fr