Nycolube 227

LUBRICANT AND PRESERVATIVE WEAPON OIL

S-761 – formerly DCSEA 502 – TL 9150-0078 Iss. 6

Description

NYCOLUBE 227 is a penetrating, mobile liquid operating at temperatures ranging from –40°C to +70°C, based on synthetic oil and containing anti-corrosion and anti-wear additives. It has excellent water-displacing properties.

Application

NYCOLUBE 227 is intended for the lubrication and preservation of both small and large calibre weapons. It features the latest generation of user-friendly weapon oil as NYCOLUBE 227 has a high flash point, a very low odour and a better health and safety profile than common weapon oils.

NYCOLUBE 227 has also been approved by the French Ministry of Defence against the specification DCSEA 502 and the German Ministry of Defence, as well as the Belgian Ministry of Defence. As a consequence, NYCOLUBE 227 approved against TL9150-0078 specification is NATO code S-761.

Characteristic	Unit	Typical Result	Limit	Test method
- Appearance	-	conform	Limpid, homogeneous	Visual
- Density at 20°C	kg/dm^3	0.863	Report	ASTM D4052
- Kinematic viscosity at 100°C 40°C - 40°C	mm²/s	 4.24 18.95 4396	 report min. 18.0 max. 5000	ASTM D 445
- Flash point, COC	°C	194	min. 180	ASTM D92
- Pour Point	°C	-58	Max. -57	ASTM D97
- Evaporation Loss 22h at 100°C	%m	2.3	max. 3.0	ASTM D972
- Total Acid number	mg KOH/g	10.84	Report	ASTM D974
- Steel on steel wear	mm	0.38	max. 0.50	ASTM D4172
- Load Wear Index - Weld load - Seizure load	daN daN daN	33.1 200 90	mini. 20 mini. 126 mini. 40	ASTM D2783
- Copper corrosion	-	1b	2b max.	ASTM D130
- Salt spray resistance 72 h at 35°C	-	Pass	No corrosion	FTM-S-791-4001
- Corrosion test 168 h at 55°C metal weight loss zinc aluminium brass steel copper magnesium cadmium	mg/cm²	 0.0 0.0 0.0 0.0 0.0 0.0 0.0	 max. +/- 1.5 max. +/- 0.2 max. +/- 1.0 max. +/- 0.2 max. +/- 1.5 max. +/- 0.5 max. +/- 1.5	FTM-S-791-4001

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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