



CLEANER, LUBRICANT AND PRESERVATIVE WEAPON OIL

NATO CODE S-761 – TL-9150-0078 – DCSEA 502 (obsolete)

DESCRIPTION

NYCOLUBE 227 is a penetrating, mobile liquid operating at temperatures ranging from -54°C to +150°C, based on synthetic oil and containing anti-corrosion and anti-wear additives. It has excellent water displacing properties as well as high flash point and very low odor.



MAIN APPLICATION

- Cleaning, lubrication and preservation of both small and large calibre weapons generally fitted on ground vehicles or fighter aircrafts

CHARACTERISTIC	UNIT	TYPICAL RESULT	TL 9150-0078 ISSUE 6 LIMIT	METHOD
- Appearance	-	Limpid, homogeneous, yellow fluid	Limpid, homogeneous	Visual examination
- Density at 20°C	kg/dm ³	0,863	report	ASTM D 4052
- Kinematic viscosity at 100°C at 40°C at -40°C	mm ² /s	4.24 18.9 4400	report min 17.0 max 5000	ASTM D 445
- Flash point, COC	°C	194	min 180	ASTM D 92
- Pour point	°C	-58	max -57	ASTM D 97
- Evaporation loss, 22h at 100°C	%w	2.3	max 5.0	ASTM D 972
- Load carrying capability (4-ball test) Load Wear Index Weld load Seizure load	kgf	33 200 90	min 20 min 126 min 40	ASTM D 2783
- Steel on steel wear (4-ball test)	mm	0.4	max 0.5	ASTM D 4172
- Copper corrosion	-	1b	max 3	ISO 2160
- Salt spray resistance, 72 h à 35°C	-	pass	no corrosion	ASTM B 117
- Corrosion and oxidation test, 168 h at 121°C metal weight loss	mg/cm ²	0.0	max +/- 0.4	ASTM D 4636
steel		0.0	max +/- 0.2	
aluminium		0.0	max +/- 0.2	
magnesium		0.0	max +/- 0.4	
cadmium		0.0	max +/- 3.0	
copper		0.0	- 5 to + 10	
KV40 change	%	1.6	max +/- 1.5	
TAN change	mgKOH/g	0.4		

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.

