



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.



APPLICATIONS

- 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 7 LIMIT	METHOD
Appearance	-	Limpid, homogeneous, yellow fluid	Limpid, homogeneous	Visual examination
Density at 20°C	kg/dm ³	0,867	report	ASTM D4052
Kinematic viscosity at 100°C	mm ² /s	4.3	report min 17.0 max 5000	ASTM D445
at 40°C		18.4		
at -40°C		4400		
Flash point, COC	°C	186	min 180	ASTM D92
Pour point	°C	-63	max -57	ASTM D97
Evaporation loss, 22h at 100°C	%w	2.0	max 5.0	ASTM D972
Load carrying capability (4-ball test)	kgf	36 200 100	min 20 min 126 min 40	ASTM D2783
Load Wear Index				
Weld load				
Seizure load				
Steel on steel wear (4-ball test)	mm	0.4	max 0.5	ASTM D4172
Copper corrosion, 3h at 100°C	-	1b	max 3	ASTM D130
Salt spray resistance, 72 h à 35°C	-	Pass (>100h)	no corrosion	ASTM B117
Corrosion and oxidation test, 168 h at 121°C	mg/cm ²	0.0 0.0 0.0 0.0 0.0	max +/- 0.4 max +/- 0.2 max +/- 0.2 max +/- 0.4 max +/- 3.0	ASTM D4636
metal weight loss				
steel				
aluminium				
magnesium				
cadmium				
copper				
KV40 change	%	-1.1	- 5 to + 10	
TAN change	mgKOH/g	-0.7	max +/- 1.5	

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.