



## PETROLEUM CORROSION PREVENTIVE OIL

**NATO CODE C-610 – DCSEA 510/A (formerly AIR 1504/B)  
MIL-C-6529 C Amd.2 Type 3**

### DESCRIPTION

NYCOPROTEC 04 is a petroleum oil with a viscosity of 25 cSt at 40°C. It is based on a mineral turbine oil fortified with a corrosion-inhibiting additive package.

### MAIN APPLICATIONS

- Temporary preservative oil for turbines of aircrafts and helicopters operated with mineral oils



NYCOPROTEC 04 is used as a storage oil to protect aircraft components from corrosion (such as fuel systems). It is also used as lubricating and corrosion-preventive oil for pins, locks and other moving surfaces. It may be applied by spraying or brushing on external components. Internal components are usually protected by filling with the oil. NYCOPROTEC 04 is usually drained prior to use.

Characteristic	Unit	Typical Result	DCSEA 510/A Limit	Test method
- Appearance	-	limpid	limpid	visual examination
- Density at 20°C	kg/dm <sup>3</sup>	0.872	report	ASTM D 4052
- Kinematic viscosity At 100°C At 40°C	mm <sup>2</sup> /s	4.64 24.96	report 17.0 to 28.0	ASTM D 445
- Viscosity index	-	101	-	ASTM D 2270
- Total Acid Number	mg KOH/g	0.12	report	ASTM D 974
- Flash point, COC	°C	168	min. 150	ASTM D 92
- Pour point	°C	- 39	max. - 12	ASTM D 97
- Copper corrosion, after 3 h at 100°C	rating	1a	max. 1b	ASTM D 130
- Lead corrosion 4 h at 121°C 4 h at 149°C	mg/cm <sup>2</sup>	-1.22 -1.32	report report	FTM-S-791-5321
- Volatile matter 24 h at 110°C	%w	21	max. 28	AIR 1654
- Humidity Cabinet, 14 days	-	conform	conform	ASTM D 1748
- Precipitation number	ml	0.0	max. 0.1	ASTM D 91
- Conradson residue	%w	0.1	max. 2.0	ASTM D 189
- Oxidized ash content	%w	0.0	max. 0.015	ASTM D 482

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.

