



## GENERAL PURPOSE AIRCRAFT SYNTHETIC GREASE

G-395 – XG-293 – DCSEA 395/B (AIR 4222) – MIL-PRF 81322 G  
 DEF-STAN 91-52 Iss.1 Amd.2

### Description

Nyco Grease GN 22 is a NLGI 2, clay-thickened grease, based on a synthetic hydrocarbon oil with a viscosity of 6 cSt at 100°C. It is inhibited against corrosion, oxidation and contains anti-wear/extreme pressure additives.

### Application

Nyco Grease GN 22 is a general purpose grease that is able to withstand the most severe conditions encountered in an aircraft, including high loads/high temperature, and water contamination, such as in wheel bearings. It is also used on numerous other components such as control systems, screw-jacks, instruments, airframe pins and joints, or landing gear mechanism.

Nyco Grease GN 22 can readily replace most of the old generation mineral-based aviation greases, enabling easier aircraft maintenance without risks of mistakes. It can be used from –65°C to +177°C.

It can not be used in equipment exposed to extremely low temperature below –65°C and/or components activated by low-power motors.

Nyco Grease GN 22 is validated for use on all Boeing aircraft (Service Information Letter SIL August 12, 1993) as well as Airbus, ATR, Fokker, Bombardier or Embraer on the basis of the MIL-PRF-81322 approval.



Characteristic	Unit	Result	Limit*	Test method
- Dropping point	°C	> 300	min. 232	ASTM D 2265
- Penetrability				
Unworked		273	report	ASTM D 217
Worked	1/10 mm			
60 strokes		283	265 - 295	ASTM D 217
100 000 strokes		328	max. 350	FRTM-S-791-313
- Oil separation 30 h at 177°C				
Mass fraction	%	5.6	2.0 - 8.0	FTM-S-791-321
- Evaporation loss 22 h at 177°C				
Mass fraction	%	4.5	max. 10.0	ASTM D 2595
- Copper corrosion	-	1a	max. 1b	ASTM D 4048
- Lubricity				
Scar diameter	m	0.72	max. 0.80	ASTM D 2266
1 h - 392 N				
- Load carrying capacity				
Mean Hertz load	daN	32.0	min. 30.0	ASTM D 2596
- Bearing performance at 177°C	h	pass	> 400	ASTM D 3336
- Foreign particles				
25 at 74 micrometers	nb/cm <sup>3</sup>	300	max. 1000	FTM-S-791-3005
> = 75 micrometers		0	0	
- Hoffman oxidation test	kPa	28	max. 70	ASTM D 942
- Odour	-	conform	MIL-PRF-81322	clause 4.5.5 of the specification
- Low Temperature torque at –65°C				
starting torque		1.12	-	ASTM D 1478
running torque		0.20		

\* MIL-PRF-81322 G

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.