NYCO
AERONAUTICS & DEFENCE

NYCO GREASE GN 22

TECHNICAL DATA SHEET

GENERAL PURPOSE AIRCRAFT SYNTHETIC GREASE

NATO CODE G-395

DESCRIPTION

Nyco Grease GN 22 is a NLGI 2, clay-thickened grease, based on a synthetic hydrocarbon oil with a viscosity of 7 cSt at 100°C. It is inhibited against corrosion, oxidation and contains anti-wear/extreme pressure additives. It can be used from -65 to +177°C.

APPLICATIONS

- Airframe multipurpose grease (doors, flaps, slaps, landing gear, THS, etc.) of most civil and military aircrafts and helicopters
- Wheel bearings of most of civil and military aircrafts and helicopters
- Main and tail rotor of helicopter

In process of being replaced by **Nyco Grease GN 3058** for use in wheels bearings.

SPECIFICATIONS * / OEM's & Airframers reference

- Approved MIL-PRF-81322 G
- Approved DCSEA 395/C (ex AIR 4222)
- Equivalent to DEF STAN 91-52 Iss. 1 / XG-293
- Listed in Airbus CML 03GBB1
- Listed in ATR CML 04-004B
- Listed in CFMI CP 5076
- Listed in Boeing CML D00016
- Listed in Boeing CML D00233
- Listed in Boeing CML D00378
- Listed in Airbus Helicopters CM101
- Listed in Airbus Helicopters CM149
- Listed in Airbus Helicopters CM153

* **Approved:** The product has been approved by the relevant authority. The product is referenced on the applicable qualified product list.
Equivalent: The product complies with the major requirements of the specification

CHARACTERISTIC	UNIT	TYPICAL RESULT	MIL-PRF-81322 G LIMIT	TEST METHOD
Appearance	-	homogeneous, smooth red grease	homogeneous, smooth grease	visual
Viscosity of Base Oil **at 40°C** **at 100C**	mm^2/s	40 7.3	- -	ASTM D445
Dropping Point	°C	265	min. 232	ASTM D566
Worked Penetrability **after 60 strokes** **after 100 000 strokes**	1/10 mm	276 330	265 - 320 max. 350	ASTM D217 FTM-S-791-313
Oil Separation, 30 h at 177°C	%w	5.1	2.0 - 8.0	ASTM D6184
Evaporation Loss, 22 h at 177°C	%w	4.9	max. 10.0	ASTM D2595
Copper Corrosion, 24h at 100°C	-	1a	max. 1b	ASTM D4048
Steel on steel wear, 1h at 392 N	mm	0.7	max. 0.80	ASTM D2266
Load Carrying Capacity (LWI)	daN	36	min. 30.0	ASTM D2596
Bearing Performance at 177°C	h	pass	min 400	ASTM D3336

Oxidation Stability at 100°C, after 100h / 500h	kPa	21 / 63	max. 83 / max 172	ASTM D942
Water Washout at 38°C	%w	2.0	max 20	ASTM D1264
Torque at -54°C (starting / 1h)	Nm	0.24 / 0.04	max 1.00 / max 0.10	ASTM D1478
Bearing Corrosion Test	-	pass	no corrosion	ASTM D1743
Elastomer NBR-L Compatibility, 168h at 70°C	%v	3	max. 10	ASTM D4289

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.