



WHEEL BEARING WIDE TEMPERATURE RANGE SYNTHETIC GREASE

SAE AMS 3058A - AIRBUS AIMS-09-06-003

AIRBUS CML 03GCC1

DESCRIPTION

Nyco Grease GN 3058 is a lithium complex thickened synthetic grease. It demonstrates high load carrying capability and good resistance to water wash-out and offers a very good protection from corrosion even in presence of salt water. It can be used from -54 to +175°C.



APPLICATIONS

- Wheel bearings of civil aircraft exposed to high load and high temperature during braking, as well as corrosive runaway de-icing fluids
- Landing gears

In process of replacing MIL-PRF-81322 greases (Nyco Grease GN 22 or others of the same type) for wheel bearings.

CHARACTERISTIC	UNIT	TYPICAL VALUE	SAE-AMS-3058 LIMIT	TEST METHODS
Appearance	-	Pass	Light tan to amber, smooth, homogenous	Visual examination
Penetration, 60 strokes worked	1/10 mm	284	265 - 305	ASTM D217
Dropping point	°C	259	min. 250	ASTM D566
Oil separation, 30 h at 175°C	% m/m	3.2	max. 8	ASTM D6184
Evaporation loss, 22 h at 175°C	% m/m	3.6	max. 10	ASTM D2595
Load carrying capacity, 4-ball test Load Wear Index Weld Load	daN kg	67 360	min. 50 min. 315	ASTM D2596
Steel on steel wear, 4-ball test	mm	0.56	max. 0.7	ASTM D2266
Water washout at 79°C	% m/m	1.1	max. 15	ASTM D1264
Low Temperature Torque at -54°C Starting Running	Nm	1.20 0.16	max 2.0 max 0.5	ASTM D1478
Oxidation stability test, pressure drop after 100 h after 500 h	kPa	15 40	max. 35 max. 105	ASTM D942
Copper corrosion	rating	1a	max. 1b	ASTM D4048
EMCOR rust prevention, 3% NaCl	rating	0/0	max. 1/1	ASTM D6138

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