



WHEEL BEARING WIDE TEMPERATURE RANGE SYNTHETIC GREASE

SAE AMS 3058 – AIRBUS AIMS-09-06-003

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.



MAIN 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 D 217
- Dropping point	°C	259	min. 250	ASTM D 566
- Oil separation, 30 h at 175°C	% m/m	6.8	max. 8	ASTM D 6184
- Evaporation loss, 22 h at 175°C	% m/m	3.6	max. 10	ASTM D 2595
- Load carrying capacity, 4-ball test Load Wear Index Weld Load	daN kg	67 360	min. 50 min. 315	ASTM D 2596
- Steel on steel wear, 4-ball test	mm	0.56	max. 0.7	ASTM D 2266
- Water washout at 79°C	% m/m	1.1	max. 15	ASTM D 1264
- Low Temperature Torque at -54°C Starting Running	Nm	1.20 0.16	max 2.0 max 0.5	ASTM D 1478
- Oxidation stability test, pressure drop after 100 h after 500 h	kPa	15 40	max. 35 max. 105	ASTM D 942
- Copper corrosion	rating	1a	max. 1b	ASTM D 4048
- EMCOR rust prevention, 3% NaCl	rating	0/0	max. 1/1	ASTM D 6138

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.

