Product
INFORMATION

FUCHS (UK) PLC.
New Century Street
Hanley
GB-Stoke-on-Trent,
Staffordshire, ST1 5HU

RENOLIT ARMNA G4789 GREASE

Synthetic Based Grease - Wide Temperature Range

Description

RENOLIT ARMNA G4789 GREASE was developed in conjunction with Airbus Industrie, Liebherr Aerotechnik, Lucas Aerospace Engineering and the Ministry of Defence. It is designed to operate in the harsh conditions and low temperatures encountered in aircraft slat and flap actuators.

Application

Specially developed for the lubrication of aircraft slat and flap actuators.

RENOLIT ARMNA G4789 GREASE is also ideally suited to the lubrication of ballscrews.

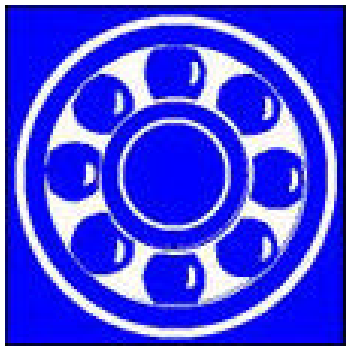
Shelf Life

Re-test frequency:-

Visual	24 months
Re-test	36 months

Advantages / Benefits

- Holds Airbus Industrie approval.
- Possesses low torque and low drag properties.
- Ideal for lubrication at low temperatures (down to minus 60ºC).
- Offers good corrosion protection.



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Typical Data: RENOLIT ARMNA G4789 GREASE

Characteristics	Unit		Test Method
Colour		Opaque brown	
Texture		Smooth	
Drop point	ºC	170 min.	ISO2176
Worked penetration	1/10 mm	290-320	ISO2137
Prolonged penetration (10^5 strokes)		326	ISO2137
Apparent viscosity @ -54ºC			ASTM D1092
@ 25 sec^{-1}	Poise	18,000	
@ 100 sec^{-1}	Poise	10,000	
Low temperature torque @ -50ºC			IP186
Starting torque	mNm	48	
Running torque	mNm	32	
Oil separation 7 days @ 25ºC	%wt	5 max.	IP121
Dynamic anti-rust test 3% NaCl solution		1,1 rating	IP220 (Mod.)
Oxidation stability maximum pressure drop			IP142
100 hours	bar	0.35 max.	
500 hours	bar	0.77	
Copper corrosion 24 hr @ 100ºC		Passes	IP112
Timken OK load	N	222	IP326
4 ball weld load	N	2450 min.	IP239
4 ball wear scar diameter	mm	0.75 max.	IP239 (Mod.)
4 ball mean hertz load	N	490 min.	IP239
FTMS - 791 M321	%	4.8	
Evaporation loss 30 hours @ 99ºC	%wt	0.75	IP183
Sphere of use	ºC	-60 to +120	

Fluid Component

Type		Synthetic	
Kinematic viscosity			ISO3104
@ 40ºC	mm^2/s	40.2	
@ 100ºC	mm^2/s	7.2	

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