

AVIATION GLOBAL GREASE **AVG 148**

Aviation Global Grease AVG 148 is a high-performance SYNTHETIC GREASE for aircraft. It is a versatile grease used specifically in aviation applications. Synthetic hydrocarbon Microgel contribute to its excellent performance characteristics. The additives included in **AVG 148** provide oxidation Resistance which helps prevent the breakdown of the grease over time, extending its useful life. **AVG 148** protects against rust and corrosion, which is essential in the often harsh and humid environments encountered in aviation.

Anti-Wear Properties of **AVG 148** reduces friction and wear, extending the lifespan of lubricated components. **AVG 148** Can handle heavy loads without losing its lubricating properties. The useful operating temperature range for **AVG 148** is typically from **-60°C to 165°C**. This broad temperature range makes it suitable for a wide variety of aviation applications, from extreme cold conditions to high-temperature environments.

Approvals and recommendations:

- Approved by NABL (ILAC/APAC Signatory)

<u>Main applications</u> Aviation Global Grease AVG 148 multipurpose grease (doors, slat & flaps, landing gear, THS,..) for civil and military aircrafts and helicopters Can replace greases of previous generations meeting the requirements of MIL-PRF-23827 Type I and II, Nato code G-382, AIMS-09-06-001, MIL-G-25537, among others.	<u>Fit to be used and meets specifications*</u> <ul style="list-style-type: none">• Meets MIL-PRF-23827 TYPE 1 and 2• AIMS 09-06-002• Meets SAE-AMS-3052• Meets BMS 3-33• NATO CODE G-354 <p>*For full list of equipment approvals and recommendations, please contact your local Aviation global enterprises helpdesk</p>
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Meets: The product complies with all the requirements of the specification and has not been formally approved or approval is in progress or the specification is obsolete.

LAB Test results of **AVG 148**

S.No.	Test	Requirements	Methods refer to	Result
1	Appearance	Homogeneous, free from visible	Visual Examination	The grease is Smooth Homogeneous, free



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		impurities.		from lumps, and visible impurities & maroon in Colour
2	Oil type			Synthetic Hydrocarbon
3	Thickner type			Complex
4	Worked penetration: I) 60 strokes II) 100 000 strokes with 10% water 1/10mm	265 to 315	report ISO 2137	I) 267 ii) 312
5	Dropping point °C	min 200	ISO 2176 -	236
6	Oil separation after 30h at 100°C %w	max 6.0	ASTM D 6184 -	4
7	Evaporation loss after 500h at 121°C %w	max 10.0	ASTM D 972 -	9
8	EMCOR corrosion test (3% NaCl) -	0/0	ASTM D 6138 -	pass
9	Oxidation stability, after 100h / 500h kPa	max 50 / max 105	ASTM D 942 -	0.62 / 1.38
10	Water washout at 79°C %w	max 10	ASTM D 1264 -	4
11	Load carrying capacity, Load Wear Index	min 60	ASTM D 2596 -	daN 68
12	Copper corrosion after 24h at 100°C -	max 1b	ASTM D 4048 -	1a
13	Bearing performance at 121°C h	min 1000	ASTM D 3336	pass
14	Torque at -73°C (starting / 1h):- I) Without water II) With 10% water Nm	I) max 0.75 / 1.00 II) max 1.00 / 0.20	ASTM D 1478 -	I) 0.7 / 0.07 II) 0.9 / 0.1

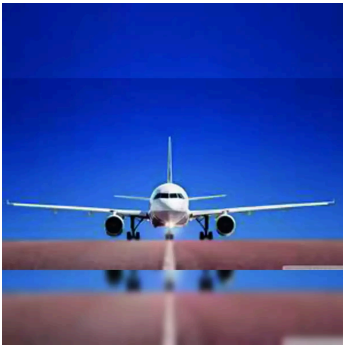


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*Shelf life of AVG 148 is approximately 6 years from the date of manufacture. Reinspection should be done every 3 years.

**For specific applications, always refer to the manufacturer's technical data sheet or guidelines to ensure compatibility and optimal performance.

***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.



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