



# AVIATION GLOBAL

TECHNICAL DATA SHEET AVG148

# 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.

<p><u>Main applications</u></p> <p>Aviation Global Grease AVG 148 multipurpose grease (doors, slat &amp; 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.</p>	<p><u>Specifications, approvals and recommendations*</u></p> <ul style="list-style-type: none"> <li>● MIL-PRF-23827 TYPE 1</li> <li>● AIMS 09-06-002</li> <li>● SAE-AMS-3052</li> <li>● BMS 3-33</li> <li>● NATO CODE G-354</li> <li>● AIRBUS CML 03GBC1, 03HBC1, 03HBD9 &amp; 03GBD1 (on-going)</li> <li>● ATR CML 04-004A &amp; 04-024</li> </ul> <p>*For full list of equipment approvals and recommendations, please contact your local Aviation global enterprises helpdesk</p>
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## LAB Test results of **AVG 148**

S.No.	Test	Requirements	Methods refer to	Result
1	Appearance	Homogeneous, free from visible impurities.	Visual Examination	The grease is Smooth Homogeneous, free from lumps, and visible impurities & maroon in



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				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

\*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.



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\*\*\*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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