

AVIATION GLOBAL GREASE TDS-E2 **AVG 22**

Aviation Global Grease AVG 22 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 22** provide oxidation Resistance which helps prevent the breakdown of the grease over time, extending its useful life. **AVG 22** protects against rust and corrosion, which is essential in the often harsh and humid environments encountered in aviation.

Anti-Wear Properties of **AVG 22** reduces friction and wear, extending the lifespan of lubricated components. **AVG 22** Can handle heavy loads without losing its lubricating properties. The useful operating temperature range for **AVG 22** is typically from **-50°C to 177°C (-69°F to 350°F)**. This broad temperature range makes it suitable for a wide variety of aviation applications, from extreme cold conditions to high-temperature environments.

<u>Main applications</u>	<u>Fit to be used and meets specifications*</u>
Aviation Global Grease AVG 22 is recommended for demanding conditions due to its exceptional properties. It is suited for challenging environments like High Bearing Loads, High Speeds, Wide Operating Temperature Range, Long Grease Retention.	<ul style="list-style-type: none">• MIL-PRF-81322G• MIL-PRF-2408B• DEF STAN 91-52• DCSEA 395/A• NATO CODE G-395• Analogue of CIATIM 201 and 203, VNII NP 207, ERA VNII NP 286M and ST NK-50• Joint Service Designation XG-293 <p>*For full list of equipment approvals and recommendations, please contact your local Aviation global enterprises helpdesk</p>

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requirements of the specification and has not been formally approved or approval is in progress or the specification is obsolete.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 22**

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

				Colour
2	Oil type			Synthetic Hydrocarbon
3	Thickner type			Complex
4	Base oil viscosity @-40°C mm ² /s			7650
5	Base oil viscosity @40°C mm ² /s			30
6	Base oil viscosity @100°C mm ² /s			5.6
7	Penetration, worked	265 to 320	ASTM D217/IP50 (BS 2000: Part 50)	265
8	Dropping Point, °C, min	232	ASTM D566/IP132 (BS 2000: Part 132)	236
9	Oil separation, percent m/m, Max	2.0 to 8.0	DEF STAN 05-50 Method No 9 Test temperature 177 + 3 °C	4.5
10	Evaporation loss, percent, mass Max	10.0	ASTM D2595/ Test temperature 177 ± 3 °C	3.0
11	Corrosive substances, copper strip test: Appearance of material Condition of copper strip	No green coloration or change in texture No pitting, etching or dark brown, green, black, or grey staining Slight brown tarnishing is permissible.	- /IP 112 (BS 2000: Part 112 24 hours at 100 ± 5 °C	There is no green Colouration and no change in texture no pitting & no etching. There is no staining of dark brown, green, black & grey. Pass the Test
12	Oxidation Stability	i) 0.083	ASTM	i) 0.62

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	Pressure drop i) After 100 hours, bar Max ii) After 500 hours, bar Max.	ii) 1.72	D942/IP142 (BS 2000: Part 142)	ii) 1.38
13	Water washout, per cent, mass max.	20	-/IP215 Test temperature 41 ± 1 °C	8.0
14	Load carrying capacity	30min	ASTM D2596	45

*Shelf life of AVG 22 is approximately 6 years from the date of manufacture.

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



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