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CERTIFICATION

E-58D

Batch #: 50531

Product	Description	Type	Method	Sensitivity	Form	Class	Approval Date
E-58D	Hydrophilic Emulsifier	1	D	N/A	N/A	N/A	06-OCT-26

We hereby certify that this batch of inspection material when tested following manufacture meets the following:
Certificamos que este lote de material de inspeccíon cumple con los siguientes requisitos cuando es probado despues de la fabricación:

- SAE AMS 2644J and on the Qualified Products List (test reference: AFWAL/MLS 86-88, AFRL/MLS 98-165)
- MIL-STD-2132
- ISO/FDIS 3452-2:2021
- Honeywell EMS 52309, HGS1010
- Safran Aircraft Engines Pr-5000, Issue F, §§6.4.1 and 6.4.2
- Pratt & Whitney FPM PMC 4355-7 Rev. AV, dated 01/16/2026
- Boeing BSS 7039, BAC 20-20-02, PSD 6-46, PSD 8-4
- Rolls-Royce RRP 58003 Rev. K
- AMS 2647G, ASTM E165/E165M-23, ASTM E1417/E1417M-21
- General Electric Aircraft Engines 70-32-02, dated 11/22/2023, and General Electric Gas Turbines LM6000 PC
- NAVSEA 250-1500-1, Rev. 19, ¶¶ 12.5.1.1 and 12.5.1.1.1 & T9074-AS-G1B-010/271 Rev. 1 2014
- ASME Boiler and Pressure Vessel Code, 2025 Edition, Section V, Article 6, Mandatory Appendix II, ¶¶ II-641 and II-642
- 10CFR part 21 applies

• Shelf life is 5 years from date of batch approval.
Vida útil de garantia son 5 años desde la fecha del "approval date".
• Batch number is on bulk labels or bottom of aerosol cans.
Numeros de lote se encuentran en las etiquetas de los botes a granel o en el fondo de los botes de aerosol.

Is free of all known Ozone depleting substances and mercury contamination and was not made in any mercury bearing equipment. Does not containpolychlorinated biphenyl (PCB), nonylphenol ethoxylates (NPE), or RoHS banned substances.
Esta libre de todas sustancias degradantes del ozono, de contaminación de mercurio, y no fue fabricado usando equipo conteniendo mercurio. No contienepolychlorinated biphenyl (PCB), nonylphenol ethoxylates (NPE), o RoHS sustancias prohibidas.

TEST DESCRIPTION	UNIT	SPECIFICATION	RESULT
Density	G/L	975.6 - 1192.4	1020.4
Viscosity: ASTM D445-21; AMS 2644J ¶ 3.3.4; PMC 4355-7	MM2/S	17.9 - 24.2	24.2
Refractive Index (20% solution measured with refractometer)	P/F	13.8 - 15.2	14.0
Flash Point: ASTM D93-20; AMS 2644J ¶ 3.3.3	C	93.3 Minimum	110.0
Water Content: ASTM E1417/E1417M-21, Annex A1 (Karl Fischer)	%	5.00 Maximum	4.32
Sulfur Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4	PPM	200 Maximum	12
Chloride Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4	PPM	200 Maximum	7
Fluoride Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4	PPM	50 Maximum	7
Total Halogen Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4	PPM	200 Maximum	15
Sodium Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4; MCL M-504	PPM	100 Maximum	6
Appearance	P/F	Clear, reddish pink liquid, no sediment	PASS

This certificate of analysis has been transmitted electronically and is valid without a signature