



CHEMICAL TEST REPORT

Ref. 383218

Date August 24, 2022

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Attention: David Huie

Materials Specification: N/A

Customer: Old Republic Aerospace.

Kennesaw, GA 30144

Test Method: EPA Method 5021A Volatile
Organic Compounds in Various
Sample Matrices Using Equilibrium
Headspace Analysis (HS/GC/MS)

P.O.# Prepay

Lab Comment: N/A

Sample: Aviation Fuels

Test Results

Samples

Results

Jet A
Av Gas 100LLAccident Fuels
N310DC – RH

N310DC – LH

The samples were analyzed by HS/GC/MS for comparison to determine if “Jet A” fuel was detectable in the accident fuels. The upper phase of sample “N310DC – LH” used. Comparison of the data indicated that “Jet A” compounds were not present in the accident samples. Comparison of the exemplar “Av Gas 100 LL” with the accident samples indicated that the “N310DC – RH” sample was consistent with the exemplar “Av Gas 100 LL” with a slight increase in toluene abundance. The “N310DC – LH” sample was consistent with a weathered “Av Gas 100 LL” with the absence of more volatile compounds, less volatile compounds more prominent, and an easily detectable tetraethyl lead.

Conclusion: Jet A fuel was not detected in either N310DC – RH or N310DC – LH.**ISO 9001**

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