

From: [McAtee Nancy](#)
To: [Stein Stephen](#)
Cc: [Budinski Michael](#)
Subject: WPR22LA271-Email report (Testing Laboratory Report Review)
Date: Wednesday, February 15, 2023 1:00:54 PM
Attachments: [WPR22LA271 fuel report Redacted.pdf](#)

Stephen,

A fuel sample from the accident aircraft was send to an independent third-party laboratory for analysis. A copy of the complete report is attached to this email. The following tests were performed:

1. ASTM D2700 (Octane Number - Motor)
2. ASTM D5059 (Lead by XRF)
3. ASTM D86 (Distillation Analysis)
4. ASTM D5191 (Total Vapor Pressure)
5. ASTM D873 (Oxidation Stability of Aviation Fuels)
6. ASTM D1094 (Water Reaction Analysis)

All the test results were within specification for 100 Low Lead (100LL) aviation gas with the following exceptions.

Vapor Pressure @ 38°C (ASTM D5191)

Min: 38.0 kPa	Max.:49.0 kPa	Result: 22.1 kPa
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Distillation (ASTM D86)

Distillation 10 Vol% Recovered	Max Temp: 75°C	Result: 81.4°C
Distillation 50 Vol% Recovered	Max Temp: 105°C	Result: 106.3°C

If you have any questions, please let me know.

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RE-30