

From: [Matthew Fox](#)
To: [Mitchell Rasmussen](#)
Subject: ANC25LA059 - Denali Park, AK - Materials Laboratory Assessment
Date: Monday, July 21, 2025 4:11:21 AM
Attachments: [Fracture assessment.pdf](#)
[image003.png](#)

Mitch,

The submitted photos of the fractured left main landing gear (MLG) spring from the subject investigation were reviewed. As indicated in the attached document that contains two of those images, a small black region with a curving boundary was observed, features consistent with fatigue fracture of an MLG spring. The fatigue initiated at the aft side of the upper forward axle attachment hole where the hole intersected the inboard surface. The hole bore and inboard surface were covered in red and orange oxides. It is likely that fatigue initiated due to corrosion damage to the MLG spring surfaces.

Respectfully,
Matt



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Figure 1. Fatigue crack at the inboard corner of the forward hole (Photo by owner).



Figure 2. Corrosion on the inboard surface and in the forward hole (Photo by owner).