

From: [REDACTED]
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Subject: CEN23LA398 - Crystal, Minnesota - Materials Laboratory Examination Report
Date: Friday, October 20, 2023 12:56:14
Attachments: [IMG_0030.JPG](#)
[IMG_0039.JPG](#)
[image003.png](#)

Mike,

The submitted nose landing gear strut from the subject investigation was examined visually and under optical magnification using stereo microscope. An overall view of the nose gear strut and a closer view of the fracture at the upper end of the strut are shown in the attached images. The lower end of the strut was bent aft relative to the rest of the leg piece forming an acute angle between the vertical segment and the upper segment of the strut. The fracture surface at the upper end of the strut was formed on slant angles and had matte gray features consistent with ductile overstress fracture. Portions of the fracture were obscured by post-fracture sliding contact damage. However, no evidence of preexisting damage was observed.

Thank you,
Matt

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