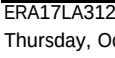


From: 
To: 
Subject: ERA17LA312 - Lyndonville, VT - Materials Laboratory Examination
Date: Thursday, October 5, 2017 10:24:02 AM
Attachments: [IMG_9950.jpg](#)
[IMG_9951.jpg](#)

Brian,

Photographs of the aileron control push/pull tube as received are attached. The end fitting was fractured in the threaded shank, and deformation of the shank adjacent to the fracture was consistent with ductile overstress fracture under bending loads. The mating fracture surfaces had rough, matte gray fracture features across most of the surface and had a small area at the compression side of the fracture that appeared reflective consistent with smeared contact features. All fracture features were consistent with ductile overstress fracture under bending loads. No evidence of a preexisting crack was observed.

Matt Fox
Senior Materials Engineer
NTSB

