

ERA17FA038, N327SH Challenger II 11/9/16 Crescent City, FL

11/22/16 NTSB Materials Lab exam

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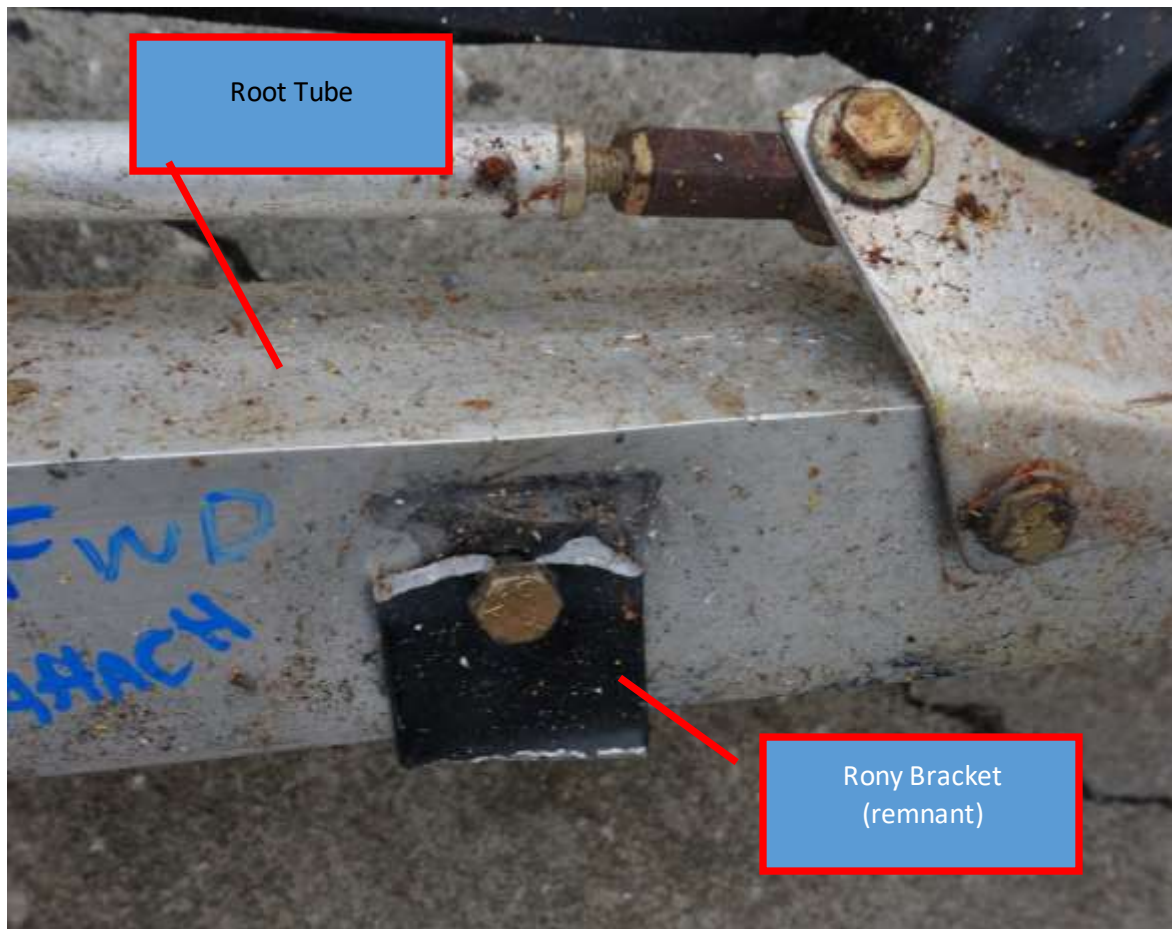
Items:

Right wing aft attach bracket (2" Rony Bracket) attached to section of aft spar.



*Figure 1- Right Wing Aft Attach Bracket*

Right wing forward Rony bracket (remnant, which remained bolted to “Root tube” (centerline square beam).



*Figure 2 - Right Wing Forward Attach Bracket*



*Figure 3 - Right Wing Forward Attach Bracket - View 2*

Two segments of centerline square beam “Root tube” and triangular shaped piece from beam. The beam was fractured on all sides at the bolt hole for the both (left and right) wing attach points).



*Figure 4 Root Tube Right Side - at Aft Wing Attach Point*



*Figure 5 Root Tube Left Side - at Aft Wing Attach Point*

All fracture surfaces were examined visually using laboratory microscope equipment, all fractures were consistent with overload and did not exhibit any evidence of fatigue or pre-existing damage, cracks or corrosion.