



The National Transportation Safety Board

Office of Aviation Safety
Central Region
Memorandum for the Record
Stabilizer Examination
Findings
CEN19LA224
Osceola Wisconsin
July 14, 2019

The stabilizer was examined under NTSB supervision at the Piper Factory in Vero Beach, Florida.

- When the Ceconite fabric covering was removed from the right and left stabilizers, it was found that the right stabilizer (failed part) was not a Piper FAA-PMA approved part. It was powder coated and a larger diameter sleeve was not welded on the leading-edge tubing at the root for strength. Further examination of the right stabilizer revealed pitting and multiple broken welds with visible corrosion in the areas of the breaks. There also were no visible part or serial numbers unlike the left stabilizer which was a FAA-PMA approved Piper part.

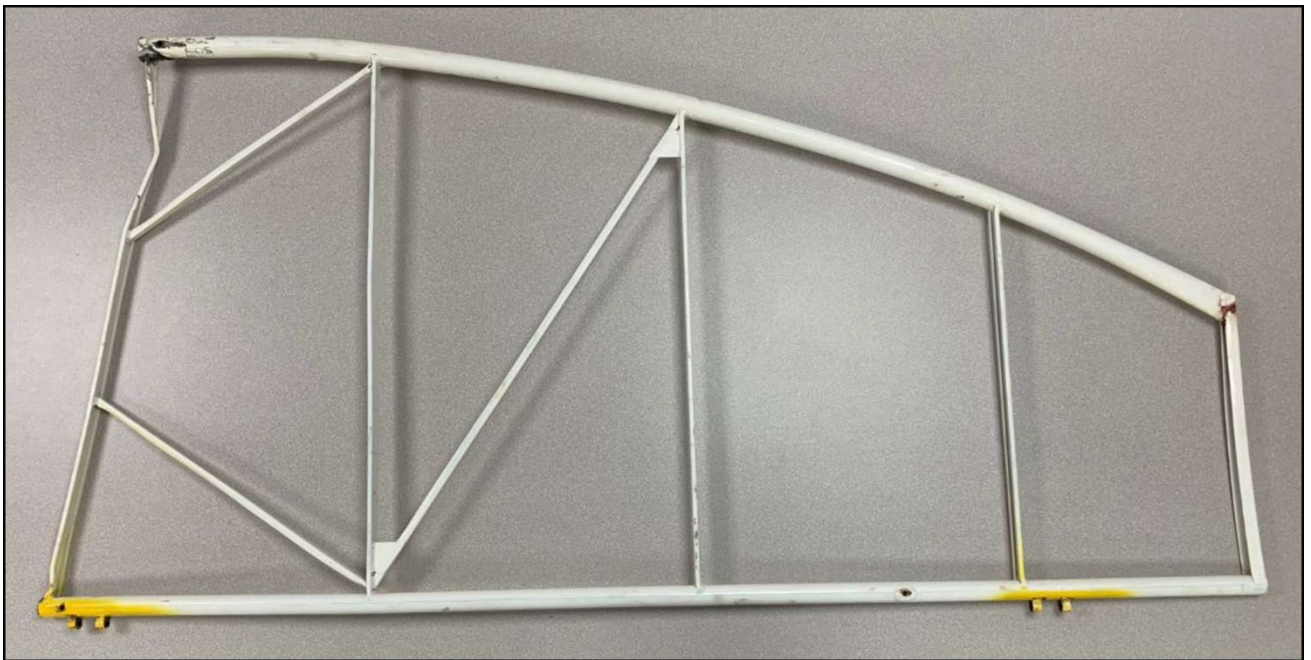


Photo 1 Right Stabilizer Frame Top View (Source: Piper)

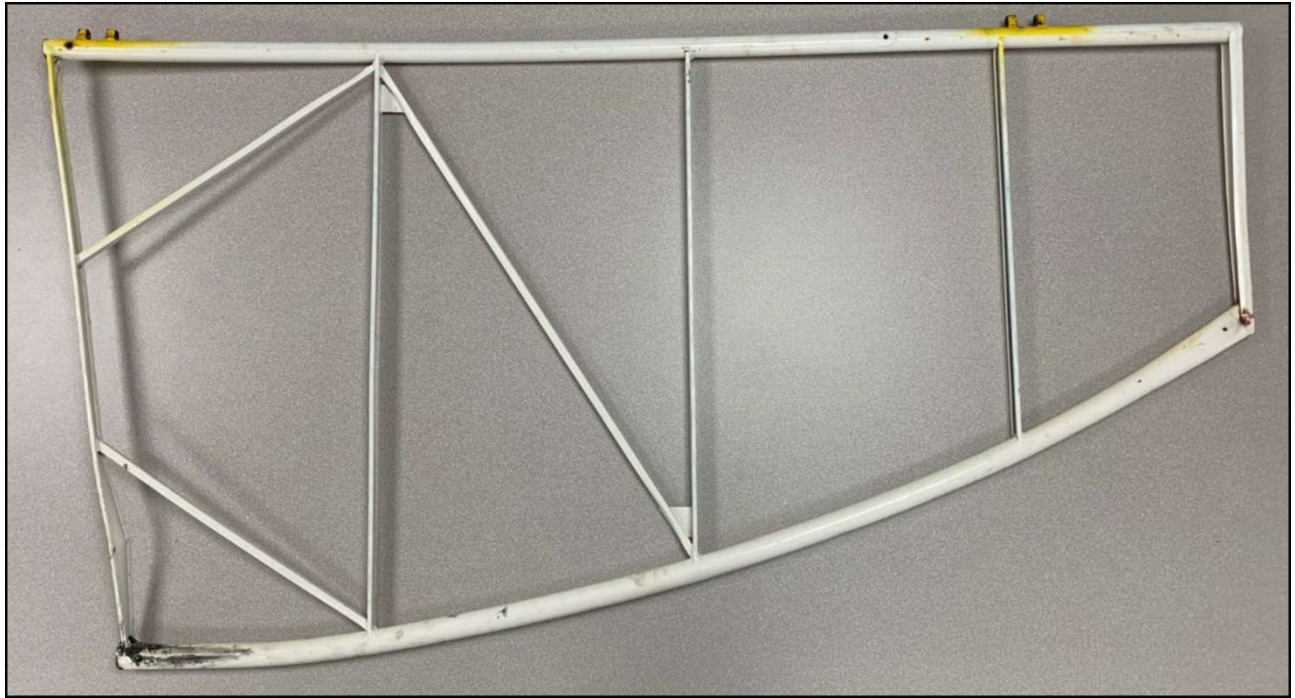


Photo 2 Right Stabilizer Frame Bottom View (Source: Piper)



Photo 3 Left Stabilizer Frame Top View (Source: Piper)

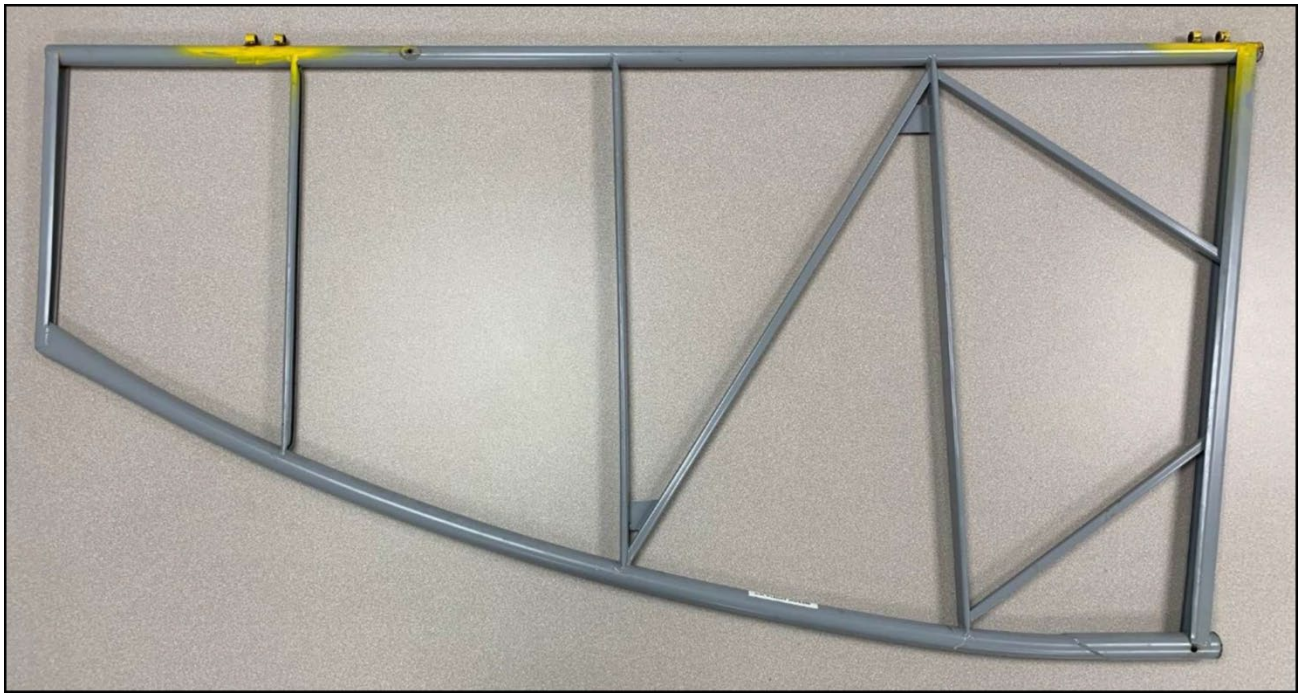
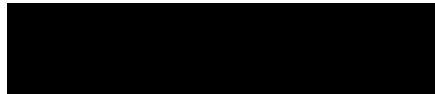


Photo 4 Left Stabilizer Frame Bottom View (Source: Piper)

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