

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Research and Engineering
Materials Laboratory Division
Washington, D.C. 20594



11/27/2017

MATERIALS LABORATORY FACTUAL REPORT

Report No. 17-087

A. ACCIDENT INFORMATION

Place : Fargo, ND
Date : 12/01/2016
Vehicle : Cessna 340, N123KK
NTSB No. : CEN17FA045
Investigator : Arnold Scott

B. COMPONENTS EXAMINED

Portions of windshield (figure 1) and portions of luggage compartment doors (figure 2).

C. DETAILS OF THE EXAMINATION

None of the portions of windshield exhibited any signs of thermal degradation. One portion of windshield (figure 3) exhibited staining on the exterior surface consistent with soot streaking. This staining on the exterior surface did not extend onto the fracture surface (figure 4). The remaining portions of the windshield did not exhibit evidence of soot deposition.

The portions of the two luggage compartment doors did not exhibit any soot deposits or thermal damage. These portions also did not exhibit evidence of deformation consistent with a high energy explosion. The latches present on one of the door portions were not deformed.

Joseph Panagiotou
Fire Protection Engineer



Figure 1: Portions of windshield.



Figure 2: Portions of luggage compartment doors.



Figure 3: Portion of windshield with soot staining.



Figure 4: Clean fracture surface adjacent to soot stained exterior surface.