

NATIONAL TRANSPORTATION SAFETY BOARD
Vehicle Recorder Division
Washington, D.C. 20594

January 24, 2014

Image Recorder

Specialist's Factual Report By George Haralampopoulos

1. EVENT SUMMARY

Location: Winston Salem, North Carolina
Date: March 31, 2013
Aircraft: Lancair LC 42-550FG
Registration: N6506L
NTSB Number: ERA13FA184

On March 31, 2013, at 1250 Eastern daylight time, a Lancair LC42-550FG, N6506L, was destroyed when it collided with trees and terrain during a forced landing after a loss of engine power near Smith Reynolds Airport (INT), Winston-Salem, North Carolina. The certificated commercial pilot and pilot-rated passenger were fatally injured. Instrument meteorological conditions prevailed, and an instrument flight rules flight plan was filed for the flight which originated from Wilkes County Airport (UKF), North Wilkesboro, North Carolina, and destined for Warren Field Airport (OCW), Washington, North Carolina. The personal flight was conducted under the provisions of Title 14 Code of Federal Regulations Part 91.

2. DETAILS OF RECORDER INVESTIGATION

The NTSB Vehicle Recorder Laboratory received the following device(s):

Manufacturer/Model: Olympus Stylus Tough 8010 Digital Camera
Serial Number: N/A

Digital Camera Device Description

The Olympus Stylus Tough 8010 is a digital camera that takes photos at 14 megapixels and has a metal frame housing with shock absorbing technology up to 6.6 feet, and waterproof sealing to take pictures up to 10 feet underwater. The photos are displayed for review on the cameras 2.7 inch LCD screen.

The Stylus Tough 8010 is capable of taking pictures with a max resolution of

4,288x3215 pixels, and video at 1,280 x 720 pixels at 30 frames per second. The pictures and videos are saved to the camera's 2 gigabyte internal memory. The camera contains a slot for a removable SD memory card for additional storage capability. Once a SD card is present, the camera ceases recording to the internal memory and begins recording to the SD card.

2.1.1 Digital Camera Data Recovery

Upon arrival at the Vehicle Recorder Laboratory, an exterior examination revealed that the Stylus Tough 8010 had sustained major fire damage (figure 1 and 2). The SD card was located and removed from the camera and the data was extracted using the manufacturers recommended procedures.

Figure 1. Front of Stylus Tough 8010 as recovered.



Figure 2. Back of Stylus Tough 8010 as recovered.



Figure 3. Internal SD Memory Card of Stylus Tough 8010.



2.1.2 Digital Camera Data Description

The SD card contained multiple images from the owner of the aircraft. Two relevant photos were identified that contained the accident aircraft's instrument panel configuration. The two photos were identified to not be from the accident day and were cropped due to privacy reasons.

Figure 4. Recovered photo of accident aircraft's instrument panel.



Figure 5. Recovered photo showing accident aircraft's instrument gauges.

