

# NATIONAL TRANSPORTATION SAFETY BOARD

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



February 14, 2013

**MATERIALS LABORATORY FACTUAL REPORT**

Report No. 13-012

## **A. ACCIDENT INFORMATION**

Place : Parkton, North Carolina  
Date : December 16, 2012  
Vehicle : Piper PA-28-160  
NTSB No. : ERA13FA088  
Investigator : Timothy Monville NTSB-ERA

## **B. COMPONENTS EXAMINED**

Suction gauge

## **C. DETAILS OF THE EXAMINATION**

The suction gauge, as shown in Figure 1, from the accident aircraft was submitted to the NTSB Materials Laboratory to examine the indicator face for the presence of witness marks from the indicator arm. The watch glass was broken but the gauge face was intact as shown in Figure 2. The gauge face was cleaned by using dry air to blow away debris on the gauge face. The gauge face was examined with a 5X to 50X zoom stereomicroscope. There was no indication of any witness marks on the gauge face.

Nancy B McAtee  
Chemist



**Figure 1.** Overall photograph of suction gauge.



**Figure 2.** Photograph of suction gauge face.