

Komarnicki Edward

To: Nixon Albert
Subject: WPR18FA063 - Airspeed Indicator (ASI)
Attachments: as-rec'd ASI_042018.JPG; oa rear tube connections_5x.jpg; digital face without glass cover_5x.jpg; inside glass cover_5x.jpg

Place: Ogden, Utah
Date: April 11, 2018
Vehicle: Cessna 172/N4395R
Investigator: Albert Nixon
Component: Airspeed Indicator

The first attachment is an image (as-rec'd ASI_042018.jpg) of the ASI in its as-received condition upon receiving the part in the Materials Laboratory. The needle indicates an airspeed of slightly greater than 160 miles per hour (MPH) through the partially opaque glass cover. Further examination upon disassembly of the Pitot and Static tube connections at the rear of the unit as well as the glass covering the dial indicator face revealed a salt-like accumulation (did not identify) at the tube connections and formed a thin layer on much of the inside of the glass cover. No further disassembly was performed. The second attached image (oa rear tube connections_5x.jpg) is an overall view of the rear of the unit where the Pitot and Static tubes connected. With the glass cover removed and carefully examining the dial face and inside glass cover using a digital microscope along with an ultraviolet light, no impact marks were found including none at the speed where the needle indicates (+160 MPH) in the as-received image. See attached images digital face without glass cover_5x.jpg and inside glass cover_5x. jpg.

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