



Andrew Finne
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Office of Aviation Safety

Date: May 3, 2024

Subject: CEN23FA314 - White Deposit NTSB Material Lab Email Report

Contact: Matthew Fox Ph.D. - Materials

An email report regarding the white deposits found within the fuel manifold and fuel injectors was received on May 3, 2024. This is a copy of that email:

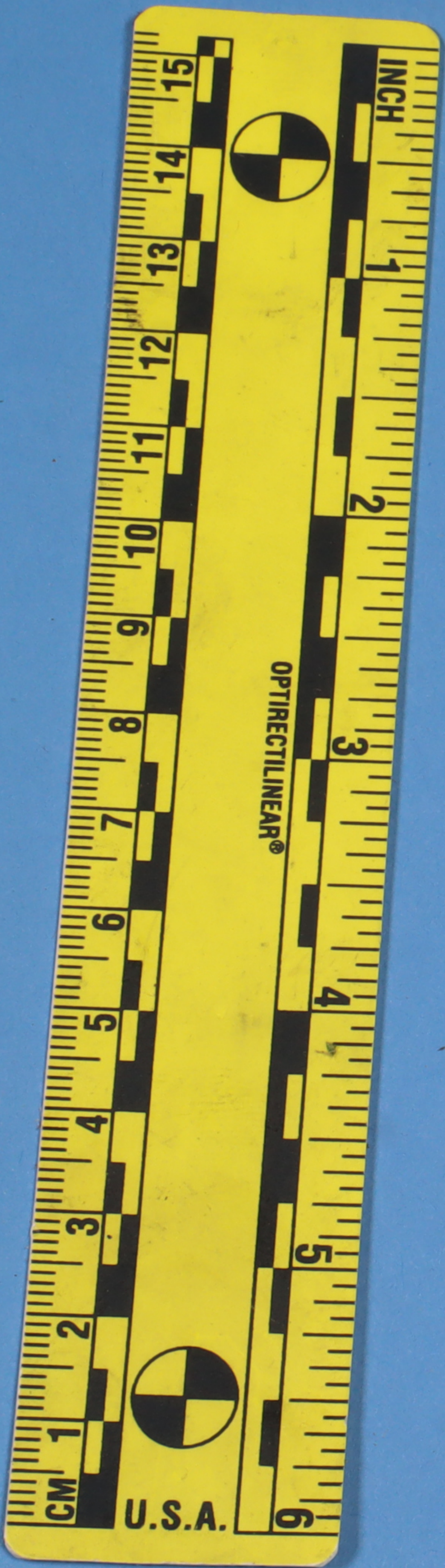
Andrew,

The right engine fuel injectors with extension tubes from the subject investigation were received as shown in the attached image. One of the injectors was placed in the scanning electron microscope, and the white deposits on the surface were analyzed using energy-dispersive x-ray spectroscopy (EDS). The EDS spectrum, included as an attachment, showed high peaks of magnesium and oxygen consistent with magnesium oxide.

Thank you,

Matt

-END-



Full scale counts: 6257

Integral Counts: 120110

white deposits(1)

