

From: ([REDACTED])
To: Latson Tom;
cc: [REDACTED]
Subject: Fw: N319PS
Date: Thursday, June 14, 2012 2:11:49 PM

Mr. Latson, This is what it was found today on a tear down inspection of the fuel pump and fuel filter. as more information is gathered, I will forward it to you.

Carlos A. Balderas
Aviation Safety Inspector
SAT FSDO (SW-17)
[REDACTED]

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----- Forwarded by Carlos A Balderas/ASW/FAA on 06/14/2012 02:08 PM -----

From: Randall J Kaser/ASW/FAA
ASW-SAT-FSDO-17, San Antonio, TX
To: Carlos A Balderas/ASW/FAA@FAA,
Cc: Charles S Hamilton/ASW/FAA@FAA
Date: 06/14/2012 01:53 PM
Subject: N319PS

Greetings:

June 14,2012; I witnessed Mr. Nelson Amen disassemble the fuel pump on AC N319PS .

Nelson removed the fuel pump from the bulkhead, it was observed fuel drained from both ports. The pump was disassembled removing 4 screws, the unit was opened and the diaphragm was exposed. The gasket was removed. Numerous small hard flakes were wedged in the valves, others were loose.

Further investigation showed a stain in the fuel filter which had the same color as the hard flakes inside the fuel pump.

The aircraft had a black material installed inside the fuel tank when it was built about eight years ago. Six years ago it was determined by the manufacturer that they was a vapor leak from the fuel . The manufacturer instructed owners to apply a yellowish color coating over this material to fix the problem. The coatings in the fuel tank matches with the yellowish color in the fuel filter and is the same in the fuel pump with respect to its color..

The aircraft had a similar problem two years ago on the ground, Nelson changed the filter and the fuel pump fuel pump and had no other problems.

[REDACTED]

Mr. Nelson will be sending you a statement with pitures.

Thanks,

Randell J. Kaser
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