

SECTION III: ENGINE 100-HR INSPECTION OBSERVATION

Date: 07/06/2017

Location: Million Air San Juan, Fernando Ribas Dominicci Airport (SIG)

REASON OF VISIT: Post-Accident Engine 100 hour inspection surveillance of aircraft N9427J. Million Air maintenance technicians performed the engine inspection with Mr. Roberto Nieves as Lead Mechanic.

INSPECTORS PERFORMING SURVEILLANCE:

ASI Daniel Figueroa – Airworthiness

ASI Ariel D. Rodriguez - Assisting

The surveillance revealed the following:

- 1- Engine was drained of sea water, oil, and sediment.
- 2- Spark plugs removed and inspected by Mr. Roberto Nieves, no signs of wear or damage.
- 3- Carburetor removed from engine, no damage noted.
- 4- Engine cylinder compression check performed and the following results were observed:
 - a- Number 1 cylinder compression reading was 50/80, and the second reading was 40/80. A leak was found on the lower side of the cylinder.
 - b- Number 2 cylinder compression reading was 62/80, second reading 62/80.
 - c- Number 3 cylinder compression reading was 52/80, second reading 55/80.
 - d- Number 4 cylinder compression reading was 74/80, no second reading was taken.
- 5- Magnetos are scheduled to be sent to a Repair Station for inspection.

Mr. Roberto Nieves from Million Air will facilitate a full engine inspection report to San Juan FSDO-63 upon completion of the 100 hour inspection.