



SUMMARY OF FINDINGS

Tealeye Cornejo
Air Safety Investigator (Field)
Western Pacific Region

Person Contacted: Charles Byrd email: [REDACTED]
NTSB Accident Number: WPR17LA099

Narrative:

The turbo that is installed on the DA40NG is a BorgWarner turbo, part number E4A-41-100-000, serial number SG5027421900043. The turbocharger was new from stock and placed into service on that aircraft on 7 Feb. 2017 at Engine TT: 1637.6

Upon further investigation from the Austro Wizard data, we noted that the difference between the boost pressure and the ambient air pressure was significantly higher than we've noted on prior turbo charger failures.

With that data in mind, and at the suggestion of Enrique Baresch from Austro Engine GmbH, we removed the "Hose Air Intake I" located between the turbo charger and the air filter box. This hose showed signs of deterioration along the interior lining so at the request of the customer we installed the hose onto another aircraft for trouble-shooting purposes. During the test run on the second aircraft the engine lost power. Subsequent inspection of the hose has revealed that the inner liner has separated and collapsed in such a way as to prevent sufficient air intake to the turbo charger, which may have caused the low-pressure indication that was revealed by the Austro Wizard download data.

We have done a full inspection of the fleet and have ordered new hoses to replace current installed hoses. Fleet is remaining out of service until new hoses arrive.