



NTSB testing for N737QQ

27 November 2018

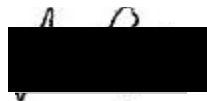
Hosted Bruce Vestal (FAA representative for NTSB) at Champion Aerospace for testing magneto 4370 s/n 16080964 which NTSB suspected to have intermittent output following a fatal accident of N737QQ. Magneto 4371 s/n 16080994 was included in package and was tested as a part of this event, at Bruce's request, this mag had tested good per the NTSB in preliminary testing.

Bruce and I retrieved the mags from Alan Woods control and proceeded to open packaging and visually inspect the mags. Both mags had very minor crash damage to the housing and frames which would have required repair or replacement prior to return to service but that did not appear to impact functionality. Both mags had minor connecting hardware and drive gears installed and these were removed to facilitate testing.

Both mags were installed on the mag test stand in Champion's service center and ran at 500, 1700 and 2700 RPM for several minutes and both mags fired a bright blue spark on all posts continuously during testing. Short videos were made at all listed RPM's for both mags and will be archived with this report. The mags were removed from the test stand and the 4370 was opened at Bruce's request and the housing, distributor block and rotor gear were removed for internal inspection. No contaminants or abnormalities were noted and all inspected parts were in good condition with minor normal wear marks. The 4370 was loosely reassembled and both mags drive gears were loosely reinstalled. Both mags were returned to packaging with minor loose hardware and these were given back to Alan Woods control pending shipping directions from the NTSB.

Both mag tests were normal and no intermittencies were noted during any of the above testing. Bruce was satisfied that the mags were operating normally and departed Champion's facility at 11 am.

I sent an e-mail to the NTSB requesting shipping disposition for these parts.



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