

From: David.R.Nelson [REDACTED]
Sent: Thursday, August 25, 2016 6:38 AM
To: Scott Arnold [REDACTED]
Cc: Allan.Thilmany [REDACTED] Kurt.Holmberg [REDACTED] Darryl.J.Anderson [REDACTED]
Michael.Crudden [REDACTED]
Subject: RE: Lino Lakes update

Arnold,

In answer to the medical certificate question, at Mr. Minar's age the third class medical (which our records show his was) is only valid for 24 calendar months, which means his would have expired 07/31/2016. This accident occurred on 08/14/2016, two weeks after his medical expired.

As far as the "rubber tube" the indications that I have are that it does not appear to be an issue in this accident. I did have a discussion with a mechanic at the airport this occurred at and got some insight into this. The duct is clamped on the carburetor end but there is no clamp on the air filter/cowling end. Once the duct is properly installed it would be almost impossible for it to come off or kink. The problems with these has been in the installation if it is not properly seated on the flange, it will distort and disrupt airflow. This would affect the engine performance on the first operation after installation. It appears the last time the lower cowling was removed and re-installed was at the 04/01/2016 annual inspection approximately 45 hours ago. There have been 2 oil changes since then. I contacted the mechanic that does the oil changes (not the same one that did the annual) and according to him the lower cowling is not removed on this aircraft for the oil change. It has a quick drain that is accessible by reaching in through the aft opening in the lower cowling. Bottom line is that if the ducting would have been an issue, it should have showed up as an issue long before the accident. There does not appear to be any deformation in the ducting where it slides over the air filter end.

Carb ice may be a possibility especially if they were idling for any length of time waiting to take off. This was a fly in with several airplanes so there may have been a wait in line for takeoff. I have photos of the ducting also if you need them.

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