

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: N204HF Engine and Carburetor history
Date: Friday, March 2, 2018 1:29:16 PM

Brian, here are all the entries relating to a carburetor discrepancy, adjustment, removal or replacement along with the engine change entries.

Engine replaced on:

05/16/2000 (delivery confirmation only. Came with the built machine).

10/12/2003 Removed Engine Model HO-360-C1A S/N L-37457-36A and replaced it with S/N L-35249-36A by Herlihy A/P [REDACTED]

11/05/2006 Aircraft TT 4051.6 Engine replaced. Model HO-360-C1A S/N L-35249-36A replaced with Model HO-360-C1A S/N L-4010-26A. Engine came as serviceable from Lycoming and work performed by Douglas Herlihy A&P [REDACTED]. Uncertain if carburetor comes with engine or not?

9/24/2011 Removed engine Model HO-360-C1A S/N L-35249-36A replaced with Model HO-360-C1A S/N RL-41883-36E. Engine came as Rebuilt from Lycoming and work performed by Douglas Herlihy A&P [REDACTED]. Uncertain if carburetor comes with engine or not. (Confirmed)

Carburetor history:

7/14/00 adjust and confirm mixture and idle settings.(Sterling Helicopters WO # 00-0163).

7/14/00 During routine inspection, found throttle arm loose at attachment to carburetor.

Removed arm to inspect attachment area for damage, reinstalled, secure and recheck for proper operation

During Routine inspection found mixture cable attachment to carburetor not properly shimmed. Added combination of washers to proper shim mixture cable, swivel to mixture arm, secure and safety.

8/11/00 Customer reports that the fuel shut off is difficult to operate. Adjusted and lubricated cable. (Sterling Helicopter)

10/19/2000 Carburetor hard to operate. Installed an aircraft manufacturer supplied Carburetor P/N 10-6030-1 S/N on 75055306.

11/02/2000 Removed Loaner Carburetor P/N 10-6030-1 S/N 75055306 and Installed Repaired Carburetor P/N 10-6330-1-F S/N 75097010.

03/26/2001 Customer reports that the Throttle very stiff and difficult to throttle engine down to idle. Removed Carburetor P/N 10-6330-1-F S/N 75097010. Installed Manufacturer supplied Carburetor P/N 10-6330-1-F S/N 75106514. Task Performed by Sterling Helicopter CRS # [REDACTED]

04/02/2001 Installed repaired carburetor P/N 10-6330-1-F S/N 75097010. Removed Loaner Carburetor P/N 10-6030-1-F S/N 75106514. Work performed by Sterling Helicopters CRS # [REDACTED]

09/10/2001 Removed and installed loaner Carburetor P/N 10-6030-1 S/N 75106512. Installed Carburetor S/N 75097010. Work performed by Sterling Helicopters CRS # [REDACTED]

There appears to be no entry for removal of S/N 75097010 and installing S/N 75387003 between 9/10/2001 and 11/14/2003. However, the Carburetor S/N possibly changed due to an engine change, which was documented on 10/2003 Per interview statement at Anglin's Aircraft Recovery.

11/14/2003 Engine not making power. Found carburetor not working properly. Removed Carburetor P/N 10-6030-1 S/N 75387003. Sent out to South East Fuel System Inc. They repaired the carburetor and returned it to service. (CRS # [REDACTED])

06/27/2005 Aircraft TT 3185.4; Replaced Heim Bearing at carburetor part # M29010900. Work performed by Herlihy Helicopters Inc. DBA Helicopter Flight Services CRS# [REDACTED]

03/23/2007 Aircraft TT 4214.2 Adjusted engine mixture and idle. Test run engine for operation and leaks. Work performed by Thomas Barney A&P [REDACTED] (now [REDACTED]).

04/15/2008 Aircraft TT 4655.2 Adjusted engine mixture and idle. Test run engine for operation and leaks. Work performed by Thomas Barney A&P [REDACTED] (now [REDACTED]).

11/28/2008 Aircraft TT 5049.1. Complied with SAC C1B-024. Installed throttle restriction bracket as per SAC C1B-024. Work performed by Douglas Herlihy A&P [REDACTED]

2/20/2014 Found carburetor not working right. Sent It to AvStar for repairs. AvStar repaired it under WO# [REDACTED] dated 2/19/2014. Reinstalled it and performed ground run ups to set idle and mixture. Work completed by Herlihy Helicopter services. WO # [REDACTED]. CRS # [REDACTED]. (last time Carburetor was touched???) Confirmed p/n AV 10-6030-1 and S/N AV96509 from recovery.

08/31/2016 Aircraft TT 1239.0 (Possible recording Error should be 7489.8), Removed and replaced engine control cable (made by McFarlane Aviation Products under work order [REDACTED]). Installation work documented on log entry and FAA Form 337. Installation work performed by Herlihy Helicopters Inc. DBA Helicopter Flight Services CRS# [REDACTED]. ICA include 25 HR repetitive inspection (due 7514.8). Lacking attached diagram (as stated)

02/14/2017 Aircraft TT 7540.8 Performed 25/50/100 hour and Annual Inspection. Complied with 50 throttle control inspection. Next due at 7565.8? ICA throttle inspection overdue by 26 hours. Work performed by Douglas Herlihy A&P, IA [REDACTED].

03/18/2017 Aircraft TT Not recorder. ATC Transponder tested and inspected IAW 91.413. Work

performed by Herlihy Helicopters Inc. DBA Helicopter Flight Services CRS# [REDACTED]

04/19/2017 Aircraft TT 7647.9 Complied with 50 throttle control inspection. Next due at 7672.9? ICA throttle inspection overdue by 57.1 hours (was due 7565.8). Work performed by Douglas Herlihy A&P, IA [REDACTED].

05/03/2017 Aircraft TT 7673.2, 25 Hour throttle control system and check log sheet. (Overdue by .3 hour).

05/21/2017 Aircraft TT 7698.4, 25 Hour throttle control system and check log sheet. (Overdue by .2 hour).

05/31/2017 Aircraft TT 7719.0, 25 Hour throttle control system and check log sheet.

06/06/2017 Aircraft TT 7732.6 Complied with 50 throttle control inspection. Next due at 7757.6? Work performed by Douglas Herlihy A&P, IA [REDACTED].

06/29/2017 Aircraft TT 7750.3, 25 Hour throttle control system and check log sheet.

07/15/2017 Aircraft TT 7775.2, 25 Hour throttle control system and check log sheet.

05/21/2017 Aircraft TT 7800.1, 25 Hour throttle control system and check log sheet.

07/25/2017 Aircraft TT 7825.1 Complied with 50 throttle control inspection. Next due at 7850.1? Work performed by Douglas Herlihy A&P, IA [REDACTED].

08/06/2017 Aircraft TT 7850.1, 25 Hour throttle control system and check log sheet.

08/17/2017 Aircraft TT 7886.4 Performed 25/50/100/300 hour inspection. Complied with 50 throttle control inspection. Next due at 7938.4? ICA throttle inspection overdue by 11.3 hours (was due 7875.1). Complied with SAS N-202 check of engine idle and mixture settings. Prior to engine shutdown. Checked and confirmed during ground run and test flight. Net due: prior to shut down (this same entry appears throughout the maintenance logs for many years?). For this date, work performed by Douglas Herlihy A&P [REDACTED]. Work performed by Douglas Herlihy A&P, IA [REDACTED].

Aircraft accident/ aircraft destroyed on 09/08/2017(1300 Hrs.) Aircraft TT 7899.0. The 25 Hour throttle control system and check was current at the time of the accident. The Next Due 25 hour throttle control system and check should have been 7911.4

Regards

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