

MAINTENANCE RECORD

DATE	TOTAL T IN SERV					AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS		ENGINE	07 MAR 03	ENGINE TOTAL TIME: 391.7	
			REG N-9548D MODEL# TIO-540-AJ1A SER# L-10190-61A	W/O 02-1638	TSO: N/A TACH: 391.7	
			COMPLIED WITH THE FOLLOWING SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES. <ul style="list-style-type: none"> ▪ AD 2002-19-03. Engine crankshaft was replaced by Custom Airmotive Inc. See log book entry dated 03 Feb 03. ▪ MSB 553 A. Crankshaft core sample were taken by Lycoming. See log book entry dated by 13 DEC 02. 			
			PERFORMED THE FOLLOWING MAINTENANCE REPAIRS. <ul style="list-style-type: none"> ▪ Installed engine TIO-540-AJ1A. S/N L-10190-61A in Cessna N-9548D. S/N T20608062. ▪ Engine crankshaft was replaced by Custom Airmotive Inc. See log book entry dated 03 Feb 03. ▪ Propeller was removed and reinstalled. Per Cessna MM 60-10-00. 			
			Performed post inspection maintenance operation. Engine, propeller checked good on ground run. No leaks found. Details are on file at this repair station under work order # 02-1638.			
			Signature: [Redacted] for Raytheon Aerospace LLC FAA CRS# R29R0290 2300 Horizon Drive Ft. Worth, Texas 76177			

MAINTENANCE RECORD

DATE	TOTAL T IN SERV					AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS		ENGINE	10 MAR 03	ENGINE TOTAL TIME: 391.7	
			REG N-9548D MODEL# TIO-540-AJ1A SER# J-10190-61A	W/O 03-035	TSO: N/A TACH: 391.7	
			COMPLIED WITH ANNUAL INSPECTION AND LUBRICATION ITEMS IN ACCORDANCE WITH CURRENT CESSNA MAINTENANCE MANUAL USING RAYTHEON 206H INSPECTION CHECK LIST COMPLIED WITH THE FOLLOWING SCHEDULED MAINTENANCE. <ul style="list-style-type: none"> • Changed oil, replaced oil filter and refilled engine with Aeroshell 15w50 oil. Inspected old oil filter. • Took 50 hour oil sample. 			
			COMPLIED WITH THE FOLLOWING SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES. <ul style="list-style-type: none"> ▪ MSB 529 B. Rotary fuel pump screws. Torque checked good. ▪ MSB 342 D. Stainless Steel tube assembly. Next due at engine total 491.7. 			
			PERFORMED THE FOLLOWING MAINTENANCE REPAIRS. <ul style="list-style-type: none"> ▪ Engine was installed in airframe N-9548D, S/N T206-08062, after crankshaft was replaced by Custom Airmotive, Inc. CRS# DC2R763K. See log book entry dated Feb. 03, 2003. 			
			Performed post inspection maintenance operation. Engine, propeller checked good on ground run. No leaks found. This engine has been repaired and inspected in accordance with annual inspection and current regulations of the Federal Aviation Administration and is approved for return to service. This approval applies only to the work described. Details are on file at this repair station under work order # 03-035.			
			Signature: [Redacted] for Raytheon Aerospace LLC FAA CRS# R29R0290 2300 Horizon Drive Ft. Worth, Texas 76177			

Custom Airmotive, Inc.

AIRCRAFT ENGINE SERVICE
 DEPARTMENT #DC25753K
 1000 B - TULSA, OKLAHOMA 74115
 FAX 918-838-9431

ENGINE RUN-IN SHEET

W.O. NO. 18144

CUSTOMER Taxtron Lycoming DATE 1-30-03
 STREET ADDRESS 652 Oliver Street ENGINE MODEL T10-540-AJ1A
 CITY & STATE Williamsport, PA SERIAL NO. L-10190-61A
 ZIP CODE 17701 FUEL OCT. 100LL

NO	DURATION	R.P.M.	PSI OIL PRESS.	C.H.T.	PSI MAN. PRESS.	OIL TEMP	PSI FUEL PRESS.	crank PSI
1	10	1200	75	225°F	15	42°C	32 - 1.2	0
2	10	1500	77	250°F	15	52°C	32 - 2	0
3	10	1800	77	300°F	18	70°C	33 - 2.2	1/4"
4	10	2000	80	350°F	20	81°C	33 - 3	1/2"
5	10	2200	85	325°F	21	82°C	33 - 3.2	1/2"
6	10	2400	80	375°F	28	90°C	34 - 6.7	1 1/4"
7	5	2500	80	375°F	39	90°C	37 - 16	1 1/2"
8	60	2400	80	375°F	28	89°C	34 - 6.7	1"
9	5	750	50	300°F	15	90°C	30 - 2.1	0
10								
11								
12								
13								
14								
15								
16								
17								
18								

REMARKS:

Start 95.5 end 96.9

Mag check start OK end OK


TOTAL

FUEL USED
 LBS. CHANG

OIL USED

start 11 qt. end 11 25.

Removed engine Model TIO-540-AJ1A S/N L-10190-61A from Certificate of Airworthiness No. 1206-08062. Complied with AD-2002-19-03 by accomplishing Mandatory Service Bulletin 553A by having Lycoming authorized representative extract six core samples from the crankshaft propeller flange. Samples were inspected and found to be within acceptable limits. No further action (LPS) 593 and replacement.

Signature  (Ian J Alexander)
 Raytheon Aerospace LLC,
 FAA CRS# R29R0290,
 2300 Horizon Drive,
 Fort Worth, Texas. 76177.

TT 391.7 TSMOH N/A.

Feb. 03, 2003

TIO-540-AJ1A

S/N L-10190-61A

WO# 18144

DATE	TC
19	IN
	HOL

This engine was disassembled only enough to facilitate replacement of crankshaft affected by Lyc. SB 552 and 553.

Applicable parts were cleaned, inspected, repaired and/or replaced as necessary to ascertain airworthiness.

Notes:

- A.D. ✓ 91-14-22 c/w; crank gear mod. & retention...
- ✓ 2002-19-03 c/w; used new Lyc. furnished shaft s/n V537930130.
- 2002-23-06 c/w; used Lyc. supplied bolt p/n STD2209 received in kit p/n 05K23327.
- 2002-26-01 c/w Lyc. SB 342D during this repair. ✓

Engine was reassembled I/A/W Lyc. overhaul manual 60294-7-8, test ran on a stand and found ready for return to service. Pertinent details are on file at this repair station under work order no. 18144; parts replaced are listed on attached work order.


 Mark D. Lickteig

for CRS #DC2R763K


Custom Airmotive, Inc.
 FAA REPAIR STATION #DC2R763K
 AIRCRAFT ENGINE SERVICE
 2702 N. SHERIDAN, BLDG. B

THORIZED SIGNATURE,
 CERTIFICATE TYPE
 & NUMBER

this record as well as the appropriate Engine/Propeller/Avionics Maintenance Record.

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MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
2004 04/ 20			<p>PG. 1 OF 3.</p> <p>N9548D DATE: 04/20/2004 AIRCRAFT TOTAL TIME: 589.1 HOBBS: 657.0 T20608062 WORK ORDER: 04-0356 AIRCRAFT TOTAL LANDINGS: 524</p> <p>PERFORMED CESSNA ANNUAL INSPECTION AND LUBRICATION ITEMS TO INCLUDE L-3 50 HOUR INSPECTION CHECK LIST IN ACCORDANCE WITH CUSTOMER PROVIDED INSPECTION CHECKLIST. COMPLIED WITH THE FOLLOWING SCHEDULED MAINTENANCE: FIRE EXTINGUISHER VISUAL / WEIGHT INSPECTION WHEEL BEARING INSPECTION AND REPACK NOTE: E.L.T. BATTERY REPLACEMENT. NEXT DUE: 11/2004. PERFORMED E. L. T. ANNUAL INSPECTION PER F.A. R. 91.207(D). PERFORMED MAGNETIC COMPASS SWING. PERFORMED OXYGEN BOTTLE HYDROSTATIC TEST. NEXT DUE: 04/2007. TEST PERFORMED BY CRS # UY1R549K, ON WORK ORDER: 20740, DATED: 04/02/2004. COMPLIED WITH CESSNA S/B 02-37-04, VACCUM MANIFOLD CHECK VALVE OPERATIONAL CHECK. REPLACED GYRO CENTRAL FILTER WITH NEW, P/N 09-18-1. REPLACED VACCUM REGULATOR VALVE FILTER WITH NEW, P/N B3-1. PERFORMED CESSNA HEDLINER, UPHOLSTRY AND TRIM INSPECTION. PERFORMED FUEL QUANTITY INDICATORS ACCURACY CHECK. PERFORMED CESSNA SERVICE BULLETIN S/B 03-27-02 BY INSPECTION AND REPLACEMENT OF 8 EACH FLAP BRACKET ATTACH BOLTS WITH NEW, P/N AN3-4A. SYSTEM OPERATIONAL CHECK GOOD.</p>	

-CONTINUED-

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
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2004 04/ 20			<p align="center">PG. 2. OF 3.</p> <p>COMPLIED WITH AIRWORTHINESS DIRECTIVE 2003-14-03 (B) (4) AND SERVICE BULLETIN S/B 529B 2.C. (3). BY INSPECTION. NO DEFECTS NOTED. FOUND SERVICE BULLETIN S/B 04-00-01 P. O. H. CHECKLIST REVISIONS PREVIOUSLY COMPLIED WITH. PERFORMED CESSNA BRAKE SYSTEM LINES INSPECTION, NO DEFECTS NOTED. REPLACED LEFT MAIN TIRE WITH NEW, P/N 606C61-6, S/N ON: 31620978. PER CUSTOMER MEMORANDUM (FFS: 1030-02) DATED: 03/30/2004, REPLACED 3 EACH LEFT MAIN WHEEL BOLTS WITH NEW, P/N AN5-35A. REPLACED RT. REAR PASSENGER SEAT SAFTEY BELT HARNESS GUIDE WITH NEW, P/N CJ1001-3. COMPLIED WITH SERVICE BULLETIN S/B 03-53-02 R1 BY INSPECTION AND TRIMMING DOOR POST AS PER INSTRUCTIONS CONTAINED IN SERVICE BULLETIN. REPLACED 7 EACH IMPROPERLY INSTALLED RIVETS ON HORIZONTAL STABILIZER WITH NEW, P/N MS420AD4-4, AND MS420AD4-5. WORK PERFORMED IN ACCORDANCE WITH CURRENT AC 43-13-1B, SECTION 4, CH. 4. PERFORMED ELEVATOR CABLE TENSION CHECK, SATISFACTORY RESULTS. PERFORMED ELEVATOR TRAVEL RIGGING CHECKS, SATISFACTORY RESULTS. WORK PERFORMED IN ACCORDANCE WITH CURRENT CESSNA MAINTENANCE MANUAL, CH. 27-30-00. -CONTINUED-</p>	


MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
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2004 04/ 20			<p align="center">PG. 3. OF 3.</p> <p>REPLACED 1 EACH RIVNUT WITH NEW, P/N A8-120 ON RT. LOWER WING STRUT FAIRING. PERFORMED RUDDER CABLE TENSION CHECKS, SATISFACTORY RESULTS. PERFORMED POST INSPECTION MAINTENANCE OPERATION. ENGINE, PROPELLER, AND AIRCRAFT SYSTEMS CHECK SATISFACTORY. THE AIRCRAFT IDENTIFIED ON PAGE 1. OF 3. DATED: 04/20/2004 WAS INSPECTED IN ACCORDANCE WITH WITH AN ANNUAL INSPECTION PROGRAM AND CURRENT</p>	

PER CUSTOMER MEMORANDUM (FIS. 103892) DATED: 03/02/2004, REPLACED 3 EACH LEFT MAIN WHEEL BOLTS WITH NEW, P/N AN5-35A.
 REPLACED RT. REAR PASSENGER SEAT SAFETY BELT HARNESS GUIDE WITH NEW, P/N CJ1001-3.
 COMPLIED WITH SERVICE BULLETIN S/B 03-53-02 R1 BY INSPECTION AND TRIMMING DOOR POST AS PER INSTRUCTIONS CONTAINED IN SERVICE BULLETIN.
 REPLACED 7 EACH IMPROPERLY INSTALLED RIVETS ON HORIZONTAL STABILIZER WITH NEW, P/N MS420AD4-4, AND MS420AD4-5. WORK PERFORMED IN ACCORDANCE WITH CURRENT AC 43-13-1B, SECTION 4, CH. 4.
 PERFORMED ELEVATOR CABLE TENSION CHECK, SATISFACTORY RESULTS. PERFORMED ELEVATOR TRAVEL RIGGING CHECKS, SATISFACTORY RESULTS. WORK PERFORMED IN ACCORDANCE WITH CURRENT CESSNA MAINTENANCE MANUAL, CH. 27-30-00.
 --CONTINUED--

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
2004 04/ 20			PG. 3 OF 3. REPLACED 1 EACH RIVNUT WITH NEW, P/N A8-120 ON RT. LOWER WING STRUT FAIRING. PERFORMED RUDDER CABLE TENSION CHECKS, SATISFACTORY RESULTS. PERFORMED POST INSPECTION MAINTENANCE OPERATION. ENGINE, PROPELLER, AND AIRCRAFT SYSTEMS CHECK SATISFACTORY. THE AIRCRAFT IDENTIFIED ON PAGE 1. OF 3. DATED: 04/20/2004 WAS INSPECTED IN ACCORDANCE WITH WITH AN ANNUAL INSPECTION PROGRAM AND CURRENT REGULATIONS OF THE F. A. A. AND IS APPROVED FOR RETURN TO SERVICE. FOR DETAILS OF WORK PERFORMED SEE COMPANY WORK ORDER: 04-0356. ----- END ----- ALLIANCE AVIATION OPERATIONS CENTER 2300 HORIZON DR. FT. WORTH, TEXAS 76177-5300 CRS # R29R0290	

**Alliance Aviation
 Operations Center
 R29R0290**
 SIGNATURE: 

OBTAINED OIL SAMPLE AS PER CUSTOMER REQUEST. LAB RESULTS NORMAL.
 COMPLIED WITH SERVICE BULLETIN S/B 480D L. D. E. DRAINED OIL, REMOVED AND REPLACED OIL FILTER WITH NEW, P/N CH-48103-1. REMOVED, INSPECTED, CLEANED AND REINSTALLED OIL SCREEN. SERVICED WITH 11 QUARTS AEROSHELL 15/50 WT. OIL.
 COMPLIED WITH AIRWORTHINESS DIRECTIVE 2003-14-03 (B) (4) AND SERVICE BULLETIN: S/B 529B 2. C. (3). BY INSPECTION, NO DEFECTS NOTED.
 COMPLIED WITH SERVICE BULLETIN S/B 342DBY INSPECTION. NO DEFECTS NOTED.
 REPLACED ALTERNATOR MOUNT BRACKET WITH NEW, P/N 07A22214, AND NEW BOLT, P/N AN7-42.
 REMOVED NO: 5 CYLINDER DUE TO LOW COMPRESSION. REINSTALLED CYLINDER, P/N 05K22680, S/N 11, UNIT REPAIRED BY CRS # WQ1R593K, ON WORK ORDER: 33629, DATED: 04/15/2004, INSTALLED NEW RING SET, P/N ST203, AND NEW PISTON PIN, P/N AEL14077-1.

-CONTINUED-

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2004 10				
04/20			PG. 2 OF 2. REPLACED LT. MAGNETO IGNITION HARNESS WITH NEW, P/N M-2965. REPLACED RT. MAGNETO IGNITION HARNESS WITH NEW, P/N M-2966. ALL WORK ACCOMPLISHED IN ACCORDANCE WITH TEXTRON LYCOMING OVERHAUL MANUAL P/N 60294-7, AND CESSNA SERVICE MANUAL, P/N 206HMMR07. PERFORMED GROUND OPERATIONAL AND LEAKAGE CHECKS, SATISFACTORY RESULTS. THE ENGINE ASSEMBLY IDENTIFIED ON PAGE 1 OF 2. DATED: 04/20/2004 WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND CURRENT REGULATIONS OF THE F. A. A. AND IS APPROVED FOR RETURN TO SERVICE. FOR DETAILS OF WORK PERFORMED SEE COMPANY WORK ORDER: 04-0356. END ALLIANCE AVIATION OPERATIONS CENTER 2300 HORIZON DR. FT. WORTH, TEXAS 76177-5300 CRS # R29R0290	

SIGNATURE: 

Alliance Aviation
 Operations Center
 CRS # R29R0290

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2004 19 04/20			PG. 1 OF 2. N9548D TIO540-AJ1A DATE: 04/20/2004 ENGINE TOTAL TIME: 589.1 L-10190-61A WORK ORDER: 04-0356 PERFORMED CESSNA ANNUAL INSPECTION ITEMS TO INCLUDE L-3 50 HOUR INSPECTION CHECKLIST IN ACCORDANCE WITH CUSTOMER PROVIDED INSPECTION CHECKLIST. COMPLIED WITH THE FOLLOWING SCHEDULED MAINTENANCE: OBTAINED OIL SAMPLE AS PER CUSTOMER REQUEST. LAB RESULTS NORMAL. COMPLIED WITH SERVICE BULLETIN S/B 480D L. D. E. DRAINED OIL, REMOVED AND REPLACED OIL FILTER WITH NEW, P/N CH-48103-1. REMOVED, INSPECTED, CLEANED AND REINSTALLED OIL SCREEN. SERVICED WITH 11 QUARTS AEROSHELL 15/50 WT. OIL. COMPLIED WITH AIRWORTHINESS DIRECTIVE 2003-14-03 (B) (4) AND SERVICE BULLETIN: S/B 529B 2. C. (3). BY INSPECTION, NO DEFECTS NOTED. COMPLIED WITH SERVICE BULLETIN S/B 342DBY INSPECTION. NO DEFECTS NOTED. REPLACED ALTERNATOR MOUNT BRACKET WITH NEW, P/N 07A22214, AND NEW BOLT, P/N AN7-42. REMOVED NO. 5 CYLINDER DUE TO LOW COMPRESSION. REINSTALLED CYLINDER, P/N 05K22680, S/N 11, UNIT REPAIRED BY CRS # WQ1R593K, ON WORK ORDER: 33629, DATED: 04/15/2004, INSTALLED NEW RING SET, P/N ST203, AND NEW PISTON PIN, P/N AEL14077-1. -CONTINUED-	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2004 19 04/20			PG. 2 OF 2. REPLACED LT. MAGNETO IGNITION HARNESS WITH NEW, P/N M-2965.	