

N6822U

1982 Cessna 414A

LH Engine

Logbook

SMOH

2012 - 2024

MSN: 414A-0808



RidgeAire
WORLDWIDE
aviation specialists

Prepared by the worldwide aviation specialists at RidgeAire, Inc.



ENGINE MAINTENANCE RECORDS

Aircraft Registration N6822U
Engine Position Left
Engine Serial No. 275424-R



ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. _____

Engine Manufacturer Continental

Model TSIO-520-NB

Serial No. 275424-R

Date installed on aircraft _____

Time Between Overhauls (TBO) 1600 Hours

If used on multi-engine aircraft:

Right Left

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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Date	Total Time In Service	Total Time Since Overhaul	Recording Meter Time
3-23-12	2349.4	0.0	3257.5



RAM Aircraft, Limited Partnership • Waco Regional Airport

CONTINENTAL TSIO-520-NB Series VII Left S/N 275424-R

Above referenced engine overhauled to new parts limits per FAR 43.2(a)(1)(2) to conform w/Continental SM X-30574A. Applicable AD's and Service Bulletins C/W at this time. All gears cleaned, polished when required, inspected, magnafluxed, and no cracks found. Finish and dimensional limits within RAM Gear Inspection Specification No. 1818, Rev. K dated 2/08/10. Installed above referenced engine modified to TSIO-520-NB 335 HP per STC SE09104SC-D in left position of Cessna s/n 414A0808. See 337. Installed new RAM camshaft p/n 1058-1A, s/n XD11118 per STC SE09104SC-D. Installed new lifters p/n 658077 (int.) p/n 658088 (exh.). AD 10-11-04 n/a to lifter p/n installed. AD 97-26-17 c/w per installation of overhauled VAR crankshaft p/n 646438, s/n 890566 per Continental CSB96-8. C/W ultrasonic inspection per MSB96-10A. Due at next overhaul or when crankshaft removed. AD 99-19-01 n/a per crankshaft date of manufacture I/A/W Continental MSB99-3C. AD 2000-23-21 N/A to crankshaft serial number/date of manufacture I/A/W Continental Mandatory Service Bulletin MSB00-5D. Engine assembled with Continental heavy style crankcase p/n 654128-1, s/n J299803R. Installed new ECI Titan Nickel cylinders. Cylinder hold-down nuts replaced and torqued per Overhaul Manual Supplement. Installed overhauled prop governor s/n 790351. Installed new Hartzell ScimitarPlus propeller model PHC-C3YF-2UF, s/n EB7501B per STC SA09971SC-D. Propeller balanced per Service Manual with spinner and bulkhead installed. Engine accessories exchanged for overhauled or new units except as noted. Re-used customer's vacuum pump S/N 59006, landing gear hydraulic pump s/n 1572 and tach generator s/n 2272A. Installed factory new turbocharger p/n 466412-0004, s/n H-PAL00130. Installed new Hartzell ALV 9610 alternator (weight 12.75 lbs). with a weight and balance change. Installed new RAM FAA-PMA fuel nozzles p/n 2562-14D. Continental Service Bulletin SB06-1A N/A per installation of RAM fuel nozzles. New Slick pressurized magnetos p/n 6320 installed per STC SE4651SW-D and pressurized. Slick Service Bulletin SB3-08A N/A to magneto serial numbers installed. MSB94-8D on magneto timing procedure c/w per timing to STC degree requirements with TDC locator and protractor with pointer. Engine modified to TSIO-520- NB per Continental Service Bulletin M75-6 Rev. 1. Installed modified connecting rods p/n 1162 per STC SE4327SW-D as FAA-PMA approved replacement. Installed RAM FAA-PMA rocker arms p/n 1842-3 and p/n 1842-4. AD 98-01-08 N/A per installation of RAM FAA-PMA rocker arms. AD 2000-01-16 c/w, see airframe log for details. Installed new Aeroquip integral firesleeved fuel and oil hoses meeting TSO- C53A Type D and TSO-C75 Type III. Installed new oil cooler p/n 8000440, s/n 4082317. Installed RAM FAA-PMA oil cooler baffle p/n 1253-1. C/W AD 78-06-01 per installation of intake tube p/n 642590. C/W AD 89-24-01 R1 per installation of starter adapter p/n 642085A4 with current scavenge pump gears. AD 11-25-51 AND MSB11-4 Starter adapter inspection N/A per p/n installed or manufacture date. Category 1 thru 3 Continental Service Bulletin Compliance Listing in RAM Manual. Engine serviced with Phillips multi-grade 20W50 Type M mineral oil. See RAM Recommended Oil Grade Maintenance Tip MT-1 for recommended oils. Above referenced engine was made eligible for 1600 hr. TBO per Continental SIL98-9 Rev. A, Note 2. Installed RAM FAA-PMA spring loaded induction clamps p/n 1170-2. Installed RAM FAA-PMA rocker arm covers p/n 2766-1. Installed RAM FAA-PMA rocker arm cover gaskets p/n 1387-1. Engine ground run on test stand per RAM specifications for 4 hours. Engine pump pressure, idle, mixture, fuel flow, max RPM, manifold pressure, and oil pressure adjusted per RAM Series VII specifications. Engine ground run power test good. All engine systems checked for leaks. Engine approved for return to service for the work performed. Pertinent details on file under Project No 6104.

Stephen Walls

RAM Aircraft, Limited Partnership, P.O. Box 5219, Waco, Texas 76708 CRS VA1R551K

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ING WORK

GREGG AIRCRAFT SERVICES, INC.
EAST TEXAS REGIONAL AIRPORT
 155 DOVEL ROAD
 LONGVIEW, TX 75603
 903-643-0980

DATE	TOTAL TIME IN SERVICE

LEFT ENGINE

N6822U **6-21-12** **HR. MTR.: 3301.8**
 Replaced left magneto P/N 6320 S/N on 12040448. S/N off 12011061.
 Phillip Guidry *PG*
 A&P3544634

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
7/5/12	2394.4	45.1	3302.6



RAM Aircraft, Limited Partnership • Waco Regional Airport

CONTINENTAL TSIO-520-NB Left Engine S/N 275424-R

On above referenced engine adjusted engine fuel pump pressure, idle, mixture, fuel flow, max RPM and manifold pressure per RAM Series VII specifications. Pertinent details on file under Project No. 6326.

Robert Franklin

RAM Aircraft, Limited Partnership, P.O. Box 5219, Waco, Texas 76708 CRS VA1R551K






GREGG AIRCRAFT SERVICES, INC.
EAST TEXAS REGIONAL AIRPORT
 155 DOVEL ROAD
 LONGVIEW, TX 75603
 903-643-0980

LEFT ENGINE

N6822U **8-8-12** **HR. MTR.: 3326.8**
 Oil and filter changed. 12 quarts Aeroshell 100W and CH48108-1 filter.
 Complied with AD2000-01-16R1(b) by visual inspection of exhaust system; satisfactory. Run-up and leak check good.
 Phillip Guidry *PG*
 A&P3544634


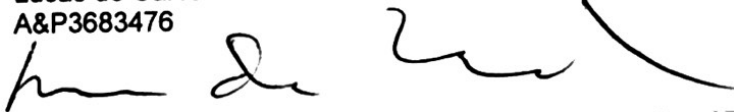


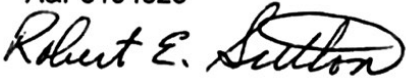


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DATE	TOTAL TIME IN SERVICE	G WORK
		 <p>GREGG AIRCRAFT SERVICES, INC. EAST TEXAS REGIONAL AIRPORT 166 DOVEL ROAD LONGVIEW, TX 75603 903-643-0980</p> <p>LEFT ENGINE HR. MTR.: 3368.2</p> <p>N6822U 12-6-12 Replaced outboard induction elbow P/N 1111-1 with new unit. Rees Evans A&P3389259 <i>Rees Evans</i></p>
		 <p>GREGG AIRCRAFT SERVICES, INC. EAST TEXAS REGIONAL AIRPORT 155 DOVEL ROAD LONGVIEW, TX 75603 903-643-0980</p> <p>LEFT ENGINE HR. MTR.: 3375.2</p> <p>N6822U 12-17-12 Oil and filter changed. 12 quarts Aeroshell 100W and CH48108-1 filter. Complied with AD2000-01-16R1(b) by visual inspection of exhaust system; satisfactory. Run-up and leak check good. Byron C. Williams A&P2021731 <i>Byron C. Williams</i></p>
		 <p>GREGG AIRCRAFT SERVICES, INC. EAST TEXAS REGIONAL AIRPORT 155 DOVEL ROAD LONGVIEW, TX 75603 903-643-0980</p> <p>LEFT ENGINE HR. MTR.: 3416.9 TTA: 8033.3</p> <p>N6822U 5-7-13 TTE: 2508.8 SMOH: 159.4</p> <p>Completed a 100-hour inspection in accordance with Cessna 414A Maintenance Manual checklist. Compressions checked 75-76-76-77-75-69/80. Oil and filter changed. 12 quarts Aeroshell (100)W and CH48108-1 filter. S.O.A.P. sample taken. Complied with AD2000-01-16 (b)(c)(e) exhaust inspection; satisfactory. Cleaned fuel injectors and all fuel screens. Magneto to engine timing satisfactory. Cleaned, gapped and rotated plugs. Run-up and leak check good. I certify this engine has been inspected in accordance with a 100-hour inspection and was found to be in an airworthy condition. Phillip Guidry <i>PG</i> A&P3544634</p>

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DATE	TOTAL TIME IN SERVICE	 <p style="text-align: center;">GREGG AIRCRAFT SERVICES, INC. EAST TEXAS REGIONAL AIRPORT 155 DOVEL ROAD LONGVIEW, TX 75603 903-643-0980</p> <p style="text-align: center;"><u>LEFT ENGINE</u></p> <p>N6822U 2-1-16 HR. MTR.: 3648.4 Changed oil and filter. Serviced with 12 quarts Aeroshell 100W and CH48108-1 filter. Complied with AD2000-01-16R1(b) by visual inspection of exhaust system; satisfactory. Run-up and leak check good. Lucas de Carvalho A&P3683476</p> 	 <p>IG WORK</p>
		 <p style="text-align: center;">GREGG AIRCRAFT SERVICES, INC. EAST TEXAS REGIONAL AIRPORT 155 DOVEL ROAD LONGVIEW, TX 75603 903-643-0980</p> <p style="text-align: center;"><u>LEFT ENGINE</u></p> <p>N6822U 5-10-16 HR. MTR.: 3669.1 Changed oil and filter. Serviced with 12 quarts Aeroshell 100W and CH48108-1 filter. Complied with AD2000-01-16R1(b) by visual inspection of exhaust system; satisfactory. Run-up and leak check good. Robert E. Sutton A&P3194823</p> 	
		 <p style="text-align: center;">GREGG AIRCRAFT SERVICES, INC. EAST TEXAS REGIONAL AIRPORT 155 DOVEL ROAD LONGVIEW, TX 75603 903-643-0980</p> <p style="text-align: center;"><u>LEFT ENGINE</u></p> <p>N6822U 8-12-16 HR. MTR.: 3690.1 SMOH: 432.6 Performed 100-hour inspection. Changed oil and filter. Cut open old filter and inspected; satisfactory. Serviced with 12 quarts Aeroshell 100W and CH48108-1 filter. Compressions checked 1)78, 2)74, 3)78, 4)66, 5)78, 6)78/80. Checked mag timing. Cleaned fuel injectors. Cleaned, gapped and rotated spark plugs. Replaced one exhaust spring inboard forward slip joint. Replaced mixture ball joint. Engine run-up and leak check good. I certify this engine has been inspected in accordance with a 100-hour inspection and was found to be in an airworthy condition. Timothy K. Stroman A&P3390266</p> 	

DATE

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GREGG AIRCRAFT SERVICES, INC.
EAST TEXAS REGIONAL AIRPORT
155 DOVEL ROAD
LONGVIEW, TX 75603
903-643-0980

LEFT ENGINE

N6822U 12-2-19 HR. MTR.: 3984.1 SMOH: 705.5
ETT: 3054.9

Hobbs ran while aircraft on jacks 21.1 hours. Above are the corrected times for current hour meter.

Timothy K. Stroman
A&P3390266



GREGG AIRCRAFT SERVICES, INC.
EAST TEXAS REGIONAL AIRPORT
155 DOVEL ROAD
LONGVIEW, TX 75603
903-643-0980

LEFT ENGINE

N6822U 10-5-2021 HR.MTR.: 3992.1 TTAF: 8591.1
SPOH: 734.4 SMOH: 734.4 TTE: 3084.0

Completed a 100 hr inspection in accordance with FAR 43, Appendix D. Oil and filter changed. Serviced with 12 qts Aeroshell 100 plus and CH48108-1 filter. Filter opened and no debris noted. Completed 500 hr inspection of both magnetos Ref: Work Order 5550 and 5552 from Aircraft Ignition Services, LLC A&P 3040415 dated 8-16-2021. Installed and timed to engine. Replaced magneto pressurization filter with new P/N: 1396-2. Cleaned fuel injectors and fuel screens. Cleaned, gaped, and rotated plugs. Compressions checked 68-62-68-76-66-76/80. Replaced starter with repaired unit P/N: MHJ-4003, S/N: 6C000017 Ref FAA Form 8130-3, CRS MO6R900J, Tracking # 16209. Function test good. Adjusted T/O fuel flow to specification. Adjusted idle mixture. Propeller inspected. Heat function good. Removed minor nicks. Engine run up and leak check good.

I certify this engine and propeller have been inspected in accordance with a 100 hr inspection and was found to be in airworthy condition.

Robert E Sutton
A&P 3194823

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