

ENGINE LOG BOOK



CONTINENTAL MOTORS

All returned engines are to be shipped with this log book
Directly to:

Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310

USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.

This engine model 0470U13B, Serial No. 820213-K, was rebuilt/zero timed on 03/21/2002 by Teledyne Continental Motors in accordance with an FAA approved Quality Control System, using FAA approved Engineering design data and the applicable requirements of FAR Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporated the following Service Bulletins and Airworthiness Directives.

SB	AD	REMARKS	SB	AD	REMARKS
M60-1	63-15-01	REPLACED WITH NEW PART	CSB94-15	N/A	CRANKCASE STUD INSPECTION
M79-2	79-05-09	REPLACED WITH NEW PART	MSB96-10	N/A	CRANKSHAFT ULTRASONIC INSPECTION
M88-4	88-03-06	REPLACED WITH NEW PART	MSB94-8A		MAGNETO TO ENGINE TIMING
M91-10	93-08-17	VISUAL INSPECTION	CSB9710A	97-21-02	PISTON PIN PLUG WEAR
N/A	91-19-03	OIL FILTER CHANGE	MSB00-5C	2000-23-21	CRANKSHAFT MATERIAL INSPECTION
M92-6	N/A	ROCKER SHAFT RETENTION IMPROVEMENT	CSB99-3A	99-09-17	CRANKSHAFT ULTRASONIC INSPECTION
MSB93-12	93-10-02	N/A SERIAL NUMBER NOT APPLICABLE			
CSB94-1	94-06-09	REPLACED CAPACITOR AS APPLICABLE			
M56-2	56-06-01	REPLACED WITH NEW PART			
N/A	94-14-12	N/A			

Records reflecting this rebuilding are on file at Teledyne Continental Motors, P.O. Box 90, Mobile, Alabama, 36601.

TELEDYNE CONTINENTAL MOTORS
PRODUCTION CERTIFICATE NO. 508

Chris L. Elliott

Date

Total Time

Time Since
Last Overhaul**Engine Service and Maintenance Record**

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

P.O. Box 368
477 S. Shiloh Road
Pleasant Hill Ohio 45359Date 19 MAY 02 WO# 513Type Aircraft CESSNA Model 182Q Reg. No. N735CZ Aircraft S/N 65331Aircraft ~~MM~~ Tach 2605.1 Total Time 2605.1 Eng. Make TCM Eng. Model 0470U13BEng. SN. 820213 Eng. Total Time 00.0 SMOH REBUILT

INSTALLED THIS ENGINE IN ABOVE LISTED AIRFRAME PER TCM 0470U O/H MANUAL, OPERATION MANUAL, CESSNA 182Q M/M, IPC. RAN ENG TO PWR, PERFORMANCE NORMAL, AIRCRAFT TEST FLIGHT SATISFACTORY. NO LEAKS NOTED AT THIS TIME. DIRK L. ADAMS A&P279648494

Dirk Adams

INSTALLED STC No. SE1780NM SEE 337 FOR DATA

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

P.O. Box 368
477 S. Shiloh Road
Pleasant Hill. Ohio 45359Date 20 JUL 02 WO# 526Type Aircraft CESSNA Model 182Q Reg. No. N735CZ Aircraft S/N 65331Aircraft ~~MM~~ Tach 2628.4 Total Time 2628.4 Eng. Make TCM Eng. Model 0470UEng. SN. 820213R Eng. Total Time 23.3 SMOH REMAN

DRAINED OIL, INSP OIL FILTER, INSTALLED NEW CH48109 FILTER, SERVICED ENG W/10QTS, RAN ENG TO PWR, PERFORMANCE NORMAL, NO LEAKS NOTED AT THIS TIME. ALL WORK DONE IAW TCM 0470U M/M, IPC, APPLICABLE CESSNA 182Q INST FARS, & SMP. DIRK L. ADAMS A&P279648494

Dirk Adams

AEROSHELL W50 OIL

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

P.O. Box 368
477 S. Shiloh Road
Pleasant Hill, Ohio 45359Date 3 DEC 02 WO# 530Type Aircraft CESSNA Model 182Q Reg. No. N735CZ Aircraft S/N 65331Aircraft ~~HM~~ Tach 2665.5 Total Time 2665.5 Eng. Make TCM Eng. Model 0470UEng. SN. 820213R Eng. Total Time 60.4 SMOH REMAN

DRAINED OIL, INSPECTED OIL FILTER, OK. INSTALLED NEW CH48109 FILTER, SERVICED ENG W/10QTS AEROSHELL 15W50. RAN ENG TO PWR, PERFORMANCE NORMAL, NO LEAKS NOTED AT THIS TIME. ALL WORK PER TCM 0470U M/M, IPC, & SMP. DIRK L. ADAMS A&P279648494

Dirk Adams

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

P.O. Box 368
477 S. Shiloh Road
Pleasant Hill, Ohio 45359Date 25 APR 03 WO# 530 CONT.Type Aircraft CESSNA Model 182Q Reg. No. N735CZ Aircraft S/N 65331Aircraft ~~HM~~ Tach 2704.2 Total Time 2704.2 Eng. Make TCM Eng. Model 0470UEng. SN. 820213R Eng. Total Time 99.1 SMOH REMAN

DRAINED ENG OIL, INSPECTED OIL FILTER, OK. INSTALLED NEW CH48109 OIL FILTER, SERVICED ENG W/9QTS AEROSHELL W100 RAN ENG TO PWR, PERFORMANCE NORMAL, NO LEAKS NOTED AT THIS TIME. ALL WORK PER TCM 0470U M/M, IPC, APPLICABLE FARS AND SMP. DIRK L. ADAMS A&P279648494

Dirk Adams

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

P.O. Box 368
477 S. Shiloh Road
Pleasant Hill, Ohio 45359
(513) 676-2739Date 18 JUN 03 WO# 539Type Aircraft CESSNA Model 182Q Reg. No. N735CZ Aircraft S/N 65331Aircraft ~~HMM~~ Tach 2719.0 Total Time 2719.0 Eng. Make TCM Eng. Model 0470U13BEng. SN. 820213R Eng. Total Time 113.9 SMOH REMAN

COMPLETED 100HR INSPECTION PER TCM MANUAL PN.X30586A & CESSNA 182Q INSP. INSTRUCTION. COMPRESSION OF CYLINDERS ARE AS FOLLOW: 1) 77/80, 2) 75/80 3) 76/80, 4) 76/80, 5) 76/80, 6) 75/80. REPLACED #6 CYL SPARK PLUG W/ NEW RHB32E. TIMED R/H MAG TO ENGINE. CLEANED, GAPPED & TESTED ALL SPARK PLUGS. CLEANED ALL FUEL SCREENS. WASHED ENG EXTERNAL, LUBED CONTROLS, RAN ENGINE TO POWER, PERFORMANCE NORMAL, TEST FLT SATISFACTORY, NO LEAKS NOTED AT THIS TIME. ALL WORK DONE PER TCM 0470U M/M, IPC, CESSNA INSTRUCTION, APPLICABLE FARs & SMP. I CERTIFY THAT ENGINE HAS BEEN INSPECTED IAW FAR PT 91.409 100HR/ANNUAL INSPECTION AND DETERMINED TO BE IN AIR-WORTHY CONDITION. DIRK L. ADAMS A&P279648494IA *Dirk Adams*

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

P.O. Box 368
477 S. Shiloh Road
Pleasant Hill, Ohio 45359
(937) 676-2739Date 1 SEPT 03 WO# 547Type Aircraft CESSNA Model 182Q Reg. No. N735CZ Aircraft S/N 65331Aircraft ~~HMM~~ Tach 2755.9 Total Time 2755.9 Eng. Make TCM Eng. Model 0470U13BEng. SN. 820213R Eng. Total Time 150.8 SMOH REBUILT

DRAINED ENG OIL, INSPECTED OIL FILTER, OK. INSTALLED NEW CH48109 OIL FILTER, SERVICED ENG W/11QTS AEROSHELL 15W50. RAN ENG TO PWR PERFORMANCE NORMAL, NO LEAKS NOTED AT THIS TIME. ALL WORK DONE PER TCM 0470U M/M, IPC, APPLICABLE FARs AND SMP. DIRK L. ADAMS A&P279648494IA *Dirk Adams*

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

P.O. Box 368
477 S. Shiloh Road
Pleasant Hill, Ohio 45359Date 14 JAN 04 WO# 556Type Aircraft CESSNA Model 182Q Reg. No. N735CZ Aircraft S/N 65331Aircraft ~~HMM~~ Tach 2798.0 Total Time 2798.0 Eng. Make TCM Eng. Model 0470U13BEng. SN. 820213R Eng. Total Time 192.9 SMOH REBUILT

DRAINED ENG OIL, INSPECTED OIL FILTER, OK. INSTALLED NEW CH48109-1 FILTER, SERVICED ENG W/11QTS AEROSHELL 15W50 OIL. VISUAL INSPECTED ENGINE MOUNTS, PROPELLER, AND SURROUNDING EQUIPMENT FOR REPORTED VIBRATION DURING BRIEF INFLIGHT ICE BUILT UP, NO DEFECTS NOTED, RAN ENG TO PWR PERFORMANCE NORMAL, NO LEAKS NOTED AT THIS TIME. ALL WORK DONE PER TCM 0470U M/M, IPC, APPLICABLE FARs AND SMP. DIRK L. ADAMS A&P279648494IA *Dirk Adams*

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

P.O. Box 368
477 S. Shiloh Road
Pleasant Hill, Ohio 45359Date 6 MAY 04 WO# 559Type Aircraft CESSNA Model 1820 Reg. No. N735CZ Aircraft S/N 65331
Aircraft ~~HM~~ Tach 2837.4 Total Time 2837.4 Eng. Make TCM Eng. Model 0470U13B
Eng. SN. 820213R Eng. Total Time 232.3 SMOH REBUILTDRAINED ENGINE OIL, INSPECTED OIL FILTER, OK. INSTALLED NEW CH48109-1 OIL FILTER, SERVICED ENG W/11QTS AEROSHELL W80. RAN ENG TO PWR, PERFORMANCE NORMAL, NO LEAKS NOTED AT THIS TIME. ALL WORK DONE PER TCM 0470U M/M, IPC, APPLICABLE FARs AND SMP. DIRK L. ADAMS A&P279648494 *Dirk Adams*

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

P.O. Box 368
477 S. Shiloh Road
Pleasant Hill, Ohio 45359Date 15 JUL 04 WO# 562Type Aircraft CESSNA Model 1820 Reg. No. N735CZ Aircraft S/N 65331
Aircraft ~~HM~~ Tach 2846.5 Total Time 2846.5 Eng. Make TCM Eng. Model 0470U13B
Eng. SN. 820213R Eng. Total Time 241.4 SMOH REBUILTCOMPLETED 100HR INSPECTION PER TCM MANUAL PN.X30586A & CESSNA 1820 INSP INSTRUCTION. CYLINDER COMPRESSIONS ARE AS FOLLOW: 1) 75/80, 2) 74/80 3) 74/80, 4) 73/80, 5) 76/80, 6) 74/80. TIMED BOTH MAGS TO ENGINE. CLEANED, GAPPED, TESTED ALL SPARK PLUGS. CLEANED ALL FUEL SCREENS. WASHED ENG EXTERNAL, LUBED CONTROLS, RAN ENG TO PWR, PERFORMANCE NORMAL, TEST FLT SAT. NO LEAKS NOTED AT THIS TIME. ALL WORK DONE PER TCM 0470U M/M, IPC, CESSNA INSTRUCTION, APPLICABLE FARs & SMP. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR PT 91.409 100/ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION. DIRK L. ADAMS A&P2834282IA *Dirk Adams*

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

P.O. Box 368
477 S. Shiloh Road
Pleasant Hill, Ohio 45359Date 14 SEPT 04 WO# 573Type Aircraft CESSNA Model 1820 Reg. No. N735CZ Aircraft S/N 65331
Aircraft ~~HM~~ Tach 2886.4 Total Time 2886.4 Eng. Make TCM Eng. Model 0470U13B
Eng. SN. 820213R Eng. Total Time 281.3 SMOH REBUILTCHANGED ENG OIL, INSPECTED ENG OIL FILTER, OK, INSTALLED NEW CH48109-1 FILTER. SERVICED ENG W/10QTS AEROSHELL 80W. CLEANED ALL SPARK PLUGS. RAN ENG TO PWR, PERFORMANCE NORMAL, NO LEAKS NOTED AT THIS TIME. ALL WORK DONE PER TCM 0470U M/M, IPC APPLICABLE FARs AND SMP. DIRK L. ADAMS A&P2834282 *Dirk Adams*

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

Date 5 APR 2005 WO# 573P.O. Box 368
477 S. Shiloh Road
Pleasant Hill, Ohio 45359Type Aircraft CESSNA Model 182Q Reg. No. N735CZ Aircraft S/N 65331
Aircraft ~~HM~~/Tach 2913.2 Total Time 2913.2 Eng. Make TCM Eng. Model 0470U
Eng. SN 820213R Eng. Total Time 308.1 SMOH REBUILT

DRAINED ENG OIL, INSP OIL FILTER, OK, INSTALLED NEW CH48109-1 FILTER. SERVICED ENG W/10QTS AEROSHELL 100W. RAN ENG TO PWR, PERFORMANCE NORMAL NO LEAKS NOTED AT THIS TIME. ALL WORK DONE PER TCM 0470U M/M, IPC, APPLICABLE FARS AND SMP. DIRK L. ADAMS A&P2834282

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

Date 19 AUG 2005 WO# 577P.O. Box 368
477 S. Shiloh Road
Pleasant Hill, Ohio 45359Type Aircraft CESSNA Model 182Q Reg. No. N735CZ Aircraft S/N 65331
Aircraft ~~HM~~/Tach 2952.9 Total Time 2952.9 Eng. Make TCM Eng. Model 0470U13B
Eng. SN 820213R Eng. Total Time 357.8 SMOH REBUILT

COMPLETED 100HR INSP PER TCM MANUAL PN. X30586A & CESSNA 182Q INSP INST ENGINE CYLINDER COMPRESSIONS ARE AS FOLLOW: 1) 74/80, 2) 69/80, 3) 74/80, 4) 71/80, 5) 70/80, 6) 74/80. TIMED BOTH MAGS TO ENGINE. CLEANED, GAPPED AND TESTED ALL SPARK PLUGS. CLEANED ALL FUEL SCREENS. REMOVED PRECISE FLT STDBY VACUUM SYSTEM STC SE1780NM, SEE FAA FORM 337 FOR DETAILS THIS DATE. DRAINED ENGINE OIL, INSPECTED OIL FILTER OK, INSTALLED CH48109-1 FILTER, SERVICED ENG W/ 10QTS AEROSHELL 100W. RAN ENG TO PWR, PERFORMANCE NORMAL NO LEAKS NOTED AT THIS TIME. WASHED ENG EXTERNAL. LUBED ALL CONTROLS. ALL WORK DONE PER TCM 0470U M/M, IPC, CEESSNA INSTRUCTION, APPLICABLE FARS AND SMP. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR PT 409.91 100HR/ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION. DIRK L. ADAMS A&P2834282IA

ENGINE

LOG BOOK ENTRY

A.D. AIR CO.

Date 11 AUG 06 WO# 586P.O. Box 368
477 S. Shiloh Road
Pleasant Hill, Ohio 45359Type Aircraft CESSNA Model 182Q Reg. No. N735CZ Aircraft S/N 65331
Aircraft ~~HM~~/Tach 2981.3 Total Time 2981.3 Eng. Make TCM Eng. Model 0470U13B
Eng. SN 820213R Eng. Total Time 386.2 SMOH REBUILT

DRAINED ENG OIL, INSP OIL FILTER OK. INSTALLED NEW CH48109-1 FILTER. SERVICED ENG W/10QTS AEROSHELL 100W AND 1 QT AVBLEND OIL ADDITIVE. RAN ENGINE TO PWR, PERFORMANCE NORMAL, NO LEAKS NOTED AT THIS TIME. ALL WORK DONE PER TCM 0470U M/M, IPC, APPLICABLE FARS AND SMP. DIRK L. ADAMS A&P2834282

ENGINE LOG BOOK ENTRY

A.D. Air Co.
1111 1st St
 11711 1st St
 Phoenix, AZ 85028
 (602) 944-1234

AD

Date 1 Feb 2009 WO# 598
 Type Aircraft Cessna Model 182Q Reg. No. N735CZ Aircraft S/N 65331
 Aircraft HM/Tach 3077.0 Total Time 3077.9 Eng. Make TCM Eng. Model O470U13B
 Eng. SN. 820213R Eng. T/T 481.9 SMOH Rebuilt

Completed 100hr Inspection per TCM Manual Pn. X30586A & Cessna 182Q Inspection Instruction. Engine cylinder compressions are as follow: 1) 71/80, 2) 63/80, 3) 70/80, 4) 72/80 5) 65/80, 6) 72/80. Drained engine oil, inspected eng oil filter, ok, installed new CH48109-1 filter, serviced eng with 10 qts. Phillips 20W50. Replaced all spark plugs w/new Champion RHB32E (12ea), gapped and tested. Completed on both Model S6RN-1225 Magnetos 500hr Inspection IAW TCM X41001-1 Manual S1200 Series: L/H Pn. BL-349350-4, Mfg. No. F02CA158R; R/H Pn. BL-349350-5, Mfg. No. F02CA137R; Replaced w/New: L/H Impulse Coupling 649954, L/H Gear Assy. 10-391586, L/H Block 10-349237; Both Brush Assy. 10-160844, Lock Ring 10-9281537, Cam Screw 10-391213, Gaskets 649954. Both mag function check normal. TCM AD2005-12-06 rescinds requirement of TCM AD96-12-07 Inspection of Impulse couple this Model Eng Installation is no longer required by the AD. Checked and cleaned all fuel screens. Lubed all engine controls. Ran engine to pwr, performance normal. No leaks noted at this time. All work done per TCM O470U M/M, IPC, Cessna Instruction, Applicable FARS and SMP. I certify that this Engine has been inspected IAW FAR Pt. 91.409 100Hr. Inspection and determined to be in airworthy condition. Dirk L. Adams A&P2834282

Dirk Adams

12 Sept 2009	3116.5 TACH	DRAINED ENG OIL, INSP. OIL FILTER, OK. INSTALLED NEW CH48109-1 FILTER. SERVICED ENG W/10 QTS PHILLIPS 20W50. RAN ENGINE TO PWR, PERFORMANCE NORMAL, NO LEAKS NOTED @ THIS TIME A&P2834282 Dirk Adams

ENGINE LOG BOOK ENTRY

A.D. Air Co.
1111 1st St
 11711 1st St
 Phoenix, AZ 85028
 (602) 944-1234

AD

Date 1 May 2010 WO# 603
 Type Aircraft Cessna Model 182Q Reg. No. N735CZ Aircraft S/N 65331
 Aircraft HM/Tach 3128.9 Total Time 3128.9 Eng. Make TCM Eng. Model O470U13B
 Eng. SN. 820213R Eng. T/T 532.9 SMOH Rebuilt

Completed 100hr Inspection per TCM Manual Pn. X30586A & Cessna 182Q Inspection Instruction. **TCM AD2009-24-52** Replacement of valve lifters does not apply by time of installation, no further action required. **TCM AD2009-19-07** Inspect for cylinder head cracks does not apply by engine Sn. and no replacement cylinders after engine installation IAW TCM MSB09-1B, no further action required. **Engine cylinder compressions are as follow:** 1) 69/80, 2) 63/80, 3) 72/80, 4) 73/80, 5) 64/80, 6) 72/80. Drained engine oil, inspected eng oil filter, ok, installed new CH48109-1 filter, serviced eng with 10 qts. Phillips 20W50. Replaced #3 cyl top and #5 cyl bottom spark plugs w/serviceable RHB32E, Clean gapped and tested all spark plugs. Timed R/H magneto to engine. Checked and cleaned all fuel screens. Lubed all engine controls. Ran engine to pwr, performance normal. No leaks noted at this time. All work done per TCM O470U M/M, IPC, Cessna Instruction, Applicable FARS and SMP. I certify that this Engine has been inspected IAW FAR Pt. 91.409 100Hr. Inspection and determined to be in airworthy condition. Dirk L. Adams A&P2834282

Dirk Adams

ENGINE LOG BOOK ENTRY

A.D. AIR CO.
P.O. Box 142
4715 Third Street
Pittsburg, MO 64571
(937) 436-2738



Dec
Date ~~1 May~~ 2010 WO# 607
Type Aircraft Cessna Model 182Q Reg. No. N735CZ Aircraft S/N 65331
Aircraft Tach 3169.6 Total Time 3169.6 Eng. Make TCM Eng. Model O470U13B
Eng. SN. 820213R Eng. T/T 573.6 SMOH Rebuilt

Drained engine oil, inspected eng oil filter, ok, installed new CH48109-1 filter, serviced eng with 10 qts. Phillips 20W50. Ran engine to power, performance normal. No leaks noted at this time. All work done per TCM O470U M/M, IPC, Cessna Instruction, Applicable FARS and SMP. Dirk L. Adams A&P2834282 *Dirk Adams*

ENGINE LOG BOOK ENTRY

A.D. AIR CO.
P.O. Box 142
4715 Third Street
Pittsburg, MO 64571
(937) 436-2738



Date 2 July 2011 WO# 608
Type Aircraft Cessna Model 182Q Reg. No. N735CZ Aircraft S/N 65331
Aircraft Tach 3205.9 Total Time 3205.9 Eng. Make TCM Eng. Model O470U13B
Eng. SN. 820213R Eng. T/T 609.9 SMOH Rebuilt

Completed 100hr Inspection per TCM Manual Pn. X30586A & Cessna 182Q Inspection Instruction. **Engine cylinder compressions are as follow:** 1) 70/80, 2) 54/80, 3) 66/80, 4) 70/80, 5) 68/80, 6) 69/80. Drained engine oil, inspected eng oil filter, ok, installed new CH48109-1 filter, serviced eng with 10 qts. Phillips 20W50. Sealed case upper fwd thru bolt, torqued per TCM O470U O/H manual Ch 72-60-05. Clean gapped and tested all spark plugs. Checked and cleaned all fuel screens. Drained carburetor bowl. Washed engine external. Lubed all engine controls. Ran engine to pwr, performance normal. No leaks noted at this time. All work done per TCM O470U M/M, IPC, Cessna Instruction, Applicable FARS and SMP. I certify that this Engine has been inspected IAW FAR Pt. 91.409 100Hr. Inspection and determined to be in airworthy condition. Dirk L. Adams A&P2834282 *Dirk Adams*

ENGINE LOG BOOK ENTRY

A.D. AIR CO.
P.O. Box 142
4715 Third Street
Pittsburg, MO 64571
(937) 436-2738



Date 21 Nov 2011 WO# 609
Type Aircraft Cessna Model 182Q Reg. No. N735CZ Aircraft S/N 65331
Aircraft Tach 3235.7 Total Time 3235.7 Eng. Make TCM Eng. Model O470U13B
Eng. SN. 820213R Eng. T/T 639.7 SMOH Rebuilt

Drained engine oil, inspected eng oil filter, ok, installed new CH48109-1 filter, serviced eng with 10 qts. Phillips 20W50. #2 Cylinder compression checked 57/80, blow-by rings. Ran engine to power, performance normal. No leaks noted at this time. All work done per TCM O470U M/M, IPC, Cessna Instruction, Applicable FARS and SMP. Return to service. Dirk L. Adams A&P2834282 *Dirk Adams*

ENGINE LOG BOOK ENTRY

A.D. AIR Co.
P.O. Box 100
4775 South Road
Piquette MI 49650
(517) 476 2728

MA

Date 24 Apr 2012 WO# 611
Type Aircraft Cessna Model 182Q Reg. No. N735CZ Aircraft S/N 65331
Aircraft Tach 3169.6 Total Time 3275.3 Eng. Make TCM Eng. Model O470U13B
Eng. SN. 820213R Eng. T/T 679.3 SMOH Rebuilt

Brought
Drained engine oil, inspected eng oil filter, ok, installed new CH48109-1 filter, serviced eng with 10 qts. Phillips 20w50. Removed carburetor Precision model MA-4-5, Pn. 10-5284, Sn. 75039104 overhauled by Kelley Aerospace Power Systems WO# M909390 see FAA Form 8130-3 dated 21 Apr 2012 this log for details, Reinstalled unit w/ new gaskets, 0750142-1, 35985, rigged pwr, mixture, carb. heat controls as required by Cessna 182Q m/m, drained carb. Bowl checked fuel screen, ok. Phillips 20W50. Ran engine to power, performance normal. No leaks noted at this time. All work done per TCM O470U M/M, IPC, Cessna Instruction. Applicable FARS and SMP. Dirk L. Adams A&P2834282 *Dirk Adams*

ENGINE LOG BOOK ENTRY

A.D. AIR Co.
P.O. Box 100
4775 South Road
Piquette MI 49650
(517) 476 2728

MA

Date 8 Sept 2012 WO# 613
Type Aircraft Cessna Model 182Q Reg. No. N735CZ Aircraft S/N 65331
Aircraft Tach 3305.0 Total Time 3305.1 Eng. Make TCM Eng. Model O470U13B
Eng. SN. 820213R Eng. T/T 709.1 SMOH Rebuilt

Completed 100hr Inspection per TCM Manual Pn. X30586A & Cessna 182Q Inspection Instruction. **Engine cylinder compressions are as follow:** 1) 70/80, 2) 53/80, 3) 58/80, 4) 67/80, 5) 60/80, 6) 64/80. Drained engine oil, inspected eng oil filter, ok, installed new CH48109-1 filter, serviced eng with 10 qts. Phillips 20W50. Timed R/H magneto to engine. Clean gapped and tested all spark plugs. Checked and cleaned all fuel screens. Drained carburetor bowl. Washed engine external. Lubed all engine controls. Ran engine to pwr, performance normal. No leaks noted at this time. All work done per TCM O470U M/M, IPC, Cessna Instruction, Applicable FARS and SMP. I certify that this Engine has been inspected IAW FAR Pt. 91.409 100Hr. Inspection and determined to be in airworthy condition.
Dirk L. Adams A&P2834282 *Dirk Adams*

ENGINE LOG BOOK ENTRY

Date 2 Jan 2014 WO# 616
 Type Aircraft Cessna Model 182Q Reg. No. N735CZ Aircraft S/N 65331
 Aircraft Tach 3388.3 Total Time 3388.3 Eng. Make TCM Eng. Model O470U13B
 Eng. SN. 820213R Eng. T/T 792.3 SMOH Rebuilt / 00.0 STNew

Completed 100hr Inspection per TCM Manual Pn. X30586A & Cessna 182Q Inspection Instruction. Drained engine oil, inspected eng oil filter, ok, installed new CH48109-1 filter, serviced eng with 11 qts. Aeroshell Straight 65. **Replaced the Following w/ New:** All Engine Cylinder Assemblies (6ea.) with new TCM Kit Pn. 658184A3BP, See below for details. All valve lifters TCM 658088 intake (6ea.), 658077 exhaust (6ea.). All piston pins TCM 539467 (6ea.). Both magneto mount gaskets 649954E. Starter mount oring MS9021-038. Propeller shaft seal TCM 641250. Oil meter oring MS29561-010. Replaced cylinder induction tube couplers 642917-1 (8ea.). **Remarks:** L/H Magneto distributor block towers clean and internal timed 15°. Timed both magnetos to engine 24°BTC. Clean gapped and tested all spark plugs. Checked and cleaned all fuel screens. Drained carburetor bowl. Washed engine external. Lubed all engine controls. Ran engine to pwr, performance normal. No leaks noted at this time. All work done per TCM O470U O/H, IPC manuals, SB96-7B and Magneto S-1200 O/H manual X42001-1. Cessna 182Q Instruction, Applicable FARS and SMP. Cylinder break in flight performance satisfactory. I certify that this Engine has been inspected IAW FAR Pt. 91.409 100Hr. Inspection and determined to be in airworthy condition. Dirk L. Adams
 A&P2834282 *Dirk Adams*

TCM Cylinder Kit 658184A3BP Contents

Cylinder Assy. Pn. 658184A1: Cylinder Sn. 1) AC13IB270, 2) AC13IB232, 3) AC13IB230,
 4) AC13EB053, 5) AC13DA864, 6) AC13GA560

<u>Gasket Set 646562A1</u>	<u>Ring Set 649226</u>
Cyl Oring 532200	#1} 648009D (Mfg Kaydon-Poland)
Exhaust 652458	#2} 648010D
Intake 649959A	#3} 648011C
Rocker Cover 65552AE	#4} 648012B
Push Rod Seals 534610	

Piston 654832C (u 07 FLG "WB"), L7KX, Casting MW 120129, AE109, FMG

Rocker Shafts 652984 , Bolt MS90725-12, Washer 653309



GRIFFING FLYING SERVICE, INC.
 3115 CLEVELAND ROAD, SANDUSKY, OHIO
 419-626-5161

7/9/2014 N735CZ HOBBS NA TACH 3421.9

REMOVED IN-OP STARTER PN-646238-2. SN-B260219. INSTALLED OH TCM STARTER BY AEROTECH OF LOUISVILLE, INC. PN-646238-2, SN-A416042 (WO-111683). IAW TELEDYNE CONTINENTAL MOTORS MAINTENANCE MANUAL AND SB96-7C. OPS AND LEAK CHECK - GOOD

I certify that the work performed has been inspected and returned to service in an airworthy condition.

Joshua R Ontko AP273740009IA
Joshua R Ontko

ENGINE LOG BOOK ENTRY

A.D. Air Co.
100 Air Way
 407 S. 9th Street
 Moorhead, MN 56501
 (218) 836-0100



Date 27 Jun 2015 WO# 619
 Type Aircraft Cessna Model 182Q Reg. No. N735CZ Aircraft S/N 65331
 Aircraft Tach 3461.7 Total Time 3461.7 Eng. Make TCM Eng. Model O470U13B
 Eng. SN. 820213R Eng. T/T 865.7 SMOH Rebuilt / 73.4 STNew

Completed 100hr Inspection per TCM Manual Pn. X30586A & Cessna 182Q Inspection Instruction. Drained engine oil, inspected eng oil filter, ok, installed new CH48109-1 filter, serviced eng with 10 qts. Aeroshell Straight 80. **Replaced the Following w/New:** R/H Magneto Impulse coupling 10-4000309. **Remarks:** R/H Magneto distributor block towers clean and internal timed 15°. Timed R/H magneto to engine 24°BTC. Clean gapped and tested all spark plugs. Checked and cleaned all fuel screens. Drained carburetor bowl. Washed engine external. Lubed all engine controls. Ran engine to pwr, performance normal. No leaks noted at this time. All work done per TCM O470U O/H, IPC manuals, and Magneto S-1200 O/H manual X42001-1. Cessna 182Q Instruction, Applicable FARS and SMP. I certify that this Engine has been inspected IAW FAR Pt. 91.409 100Hr. Inspection and determined to be in airworthy condition. Dirk L. Adams A&P2834282

Dirk Adams

ENGINE LOG

Date: 10/27/15
 Registration: N735CZ Make: Cessna Model: 182Q S/N: 18265331 Tach: 3492.2 Aircraft TT:

Changed oil and replaced oil filter.
 Oil filter P/N AA48109 Serviced engine oil with Phillips X/C 20W-50. Added CamGuard oil supplement
 Performed operational and leak check.
 All work performed I.A.W. Cessna service manual

I certify that this aircraft is found to be in servicable condition with regard to work described above.
 Signed: *Brad Helman* Brad Helman A&P302846501

ENGINE LOG BOOK ENTRY

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 407 S. 9th Street
 Moorhead, MN 56501
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Date 1 Sept 2016 WO# 624
 Type Aircraft Cessna Model 182Q Reg. No. N735CZ Aircraft S/N 65331
 Aircraft Tach 3525.5 Total Time 3525.5 Eng. Make TCM Eng. Model O470U13B
 Eng. SN. 820213R Eng. T/T 929.5 SMOH Rebuilt / 137.2 STNew

Completed 100hr Inspection per TCM Manual Pn. X30586A & Cessna 182Q Inspection Instruction. Drained engine oil, inspected eng oil filter, ok, installed new CH48109-1 filter, serviced eng with 10 qts. Phillips X/C 20w50, 2 pts Av Blend. **Replaced the Following w/New:** **Remarks:** Timed Both magnetos to engine 24°BTC. Clean gapped and tested all spark plugs. Checked and cleaned all fuel screens. Drained carburetor bowl. Washed engine external. Lubed all engine controls. Ran engine to pwr, performance normal. No leaks noted at this time. All work done per TCM O470U O/H, IPC manuals, Cessna 182Q Instruction, Applicable FARS and SMP. I certify that this Engine has been inspected IAW FAR Pt. 91.409 100Hr. Inspection and determined to be in airworthy condition. Dirk L. Adams A&P2834282

Dirk Adams

