

This engine model 0470U17B, Serial No. 286910-R, was rebuilt/zero timed on 01/26/95 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
M60-1	63-15-01	REPLACED WITH NEW PART
M79-2	79-05-09	REPLACED WITH NEW PART
M88-4	88-03-06	REPLACED WITH NEW PART
M91-10	93-08-17	VISUAL INSPECTION
N/A	91-19-03	OIL FILTER CHANGE
M92-6	N/A	ROCKER SHAFT RETENTION IMPROVEMENT
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

Water Joque

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
MARCH 27, 1995			TACH	157	8.5 hrs				0.0		INSTALLED THIS ENGINE IN CESSNA N9978H, 182R 3IN 68158. ENGINE INSTALLED PER CESSNA M/M. SERVICED ENGINE WITH AERO-SHELL 40 REG OIL. ENGINE WAS GROUND RUN, ADJUSTED PER CESSNA M/M. REMOVED OIL SCREEN (FILTER) AFTER RUN FOUND TO BE CLEAN, INSTALLED NEW OIL FILTER		
											I certify that this ENGINE... has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition. Time 0.0 hours		
											Thomas R. Murlucker A&P 1908143 IA J.R. Murlucker 3-7-95		
3-29-95			TACH	153	6.5 hrs						CHANGED OIL & OIL FILTER. CHECKED OIL FILTER. ADDED AERO-SHELL 40 REG. OIL		
BROUGHT FORWARD													
TOTALS													

J.R. Murlucker #1908143



PIEDMONT

AVIATION SERVICES, INC.

DATE: 5/24/95 MODEL: 182R S/N: 18268158 TT: 1564.5 HM: N# N9978H WO# 0468S

Changed oil and filter, Serviced with Aeroshell 40W, Installed new filter P/N CH48109, Ground run and leak check was good END WO# 0468S

APPROVED BY: *[Signature]* INSPECTOR FOR PIEDMONT AVIATION SERVICES, INC. WINSTON-SALEM, N.C. REPAIR STATION # PAIR 208A.

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
9-6-95			1	20							CHANGED OIL AND FILTER SERVICED WITH AEROSHELL 15W-50, CH48109 FILTER - NEE -	<i>[Signature]</i>	

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
1996 3-18-96	TACH	52-5R	7	5R					124	50	CHANGED OIL, ADDER AEROSHELL 15W-50. CHECKED & CHANGED OIL FILTER. REPLACED AIR FILTER. RETIRED RIGHT MAG. COMPLETED 100 HOUR PER CURRENT INSPECTION GUIDE. ENGINE GROUND RUN-UP, ALL SYSTEMS NORMAL, NO OIL LEAKS.	<i>[Signature]</i>	

I certify that this ENGINE has been inspected in accordance with a PIEDMONT inspection and was determined to be in airworthy condition. Time 124.5 hours
 Thomas R. Hurlucker A&P 1908143 IA
J. R. Hurlucker 3-18-96

PIEDMONT

AVIATION SERVICES, INC.

DATE: 8-26-96 MODEL: Cessna 182R S/N: 18268158 HM: 100.5 N# 9978H WO# 1666S
 Changed oil and filter. Serviced with Aeroshell 15W50. Washed engine and run up leak and ops
 check good. END!!!

APPROVED BY: Timothy J. Haley INSPECTOR FOR PIEDMONT
 AVIATION SERVICES, INC. WINSTON-SALEM, N.C. REPAIR STATION # PAIR 208A.

PIEDMONT

AVIATION SERVICES, INC.

DATE: 12-1-97 MODEL: 182R S/N: 18268158 Tach Time 0194.8 N#9978H WO#2603S
 Changed oil and filter. Installed 12 quarts Aeroshell 15W50. Leak check good. END.

PERTINENT DETAILS ARE ON FILE AT THIS AGENCY.

APPROVED BY: Robert L. Winkler INSPECTOR FOR PIEDMONT
 AVIATION SERVICES, INC. WINSTON-SALEM, N.C. REPAIR STATION # PAIR 208A.

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.				
1997														
5-1-97	TACH 137.2										209.2h			
	Airframe		T.T.	17	27	7h						Completed 100 Hour Inspection This Date Per Cessna Insp Guide. Changed Oil, Added Aeroshell #1 7/150 #2 66/80 #3 79/80 #4 69/80 #5 71/80 #6 71/80 Checked & changed Oil filter Changed Air filter. Tightened Airlock Port. Engine Ground Run-up, NO Oil Leaks, All Systems Normal. - END		
												I certify that this <u>Engine</u> has been Inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. Time <u>209.2</u> hours Thomas R. Hurlocker A&P 1908143 JA <u>Th. R. Hurlocker</u> 5-1-97		
BROUGHT FORWARD														
TOTALS														

PIEDMONT

AVIATION SERVICES, INC.

DATE: 03-05-98 MODEL: C-182 S/N: 68158 TT: 1797.5 HM: 207.0 N#9978H WO#2968S
 ENGINE S/N: 286910-R

1) Engine ran rough on L/H mag. Found lower plug on cylinder #1 fouled. Cleaned &
 reinstalled. Performed ground run-up. Operational check good.

PERTINENT DETAILS ARE ON FILE AT THIS AGENCY. APPROVED BY:

Maria Beck INSPECTOR FOR PIEDMONT AVIATION SERVICES,
 INC. WINSTON-SALEM, N.C. REPAIR STATION # PAIR 208A.

DATE	R.P.M.		GROUND			AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
1998 8-1-98	TACH		235	4					307	4	Completed 100 Hour Inspection THIS DATE PER CESSNA 105P GUIDE. CHANGED OIL, ADDED AIR FILTERS. CHANGED OIL FILTER Compression #1 64/80 #2 66/80 #3 64/80 #4 69/80 #5 66/80 #6 70/80. Replaced AIR FILTER ELEMENT. Replaced ALTERATION (Sub Air Pressure Log). Engine Ground Run-up All Systems Normal, No Oil Leaks. END		
	Airframe		Total Time 1825.9h										
I certify that this ENGINE has been inspected in accordance with a ANNUAL inspection and was determined to be in airworthy condition. Time 307.4 hours													
Thomas R. Hurllocker A&P 1908143 IA													
J.R. Hurllocker 8-1-98													
BROUGHT FORWARD													

DATE	R.P.M.		GROUND			AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
1999 10-1-99	TACH		357	7					429	7	Completed 100 Hour Inspection THIS DATE PER CESSNA 105P GUIDE. CHANGED OIL, ADDED AIR FILTERS. CHANGED OIL FILTERS LEFT MAG. Replaced ALL SPARK PLUGS NEW. CHANGED EXHAUST & HEAT MUFF. Replaced ALTERATION BOLT. Replaced Air Filter Element. Engine Ground Run-up, All Systems Normal NO OIL LEAKS. AD 96-12-22 NA By FICTAL ADAPTER. AD 97-21-02 NA By S/W. AD 98-17-11 NA By S/W. AD 98-17-11 NA By CRANK AD 99-19-01 NA By S/W. AD 97-15-01 NA By S/W. AD 98-01-08 NA By ROLLER ROLLER. AD 99-09-17 NA By S/W. —END		
I certify that this ENGINE has been inspected in accordance with a ANNUAL inspection and was determined to be in airworthy condition. Time 429.7 hours													
Thomas R. Hurllocker A&P 1908143 IA													
J.R. Hurllocker 10-1-99													
BROUGHT FORWARD													
TOTALS													

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LIC NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
1999 Nov 27	TACH		364	0					436	0	REMOVED ENGINE FROM CESSNA 105P 9978H THIS DATE DUE TO PROP STRIKE.		

PIEDMONT HAWTHORNE
AVIATION, INC.

DATE: 7-Feb-00 MODEL: CONT O-470-H (17) S/N: 286910R
TOTAL TIME: 436.0 WO# E1023

ENGINE DISASSEMBLED CLEANED AND INSPECTED AS REQUIRED FOR PROP STRIKE. CRANKCASE ZYGLO INSPECTED. CRANKSHAFT MAGNAFLUXED, RUN-OUT CHECKED, DOWEL REPLACED, CHEEK BUSHINGS REPLACED, JOURNELS POLISHED, ULTRA SONIC INSPECTED. CONNECTING RODS MAGNAFLUXED, BORES CHECKED, ALIGNMENT CHECKED, BUSHINGS CHECKED. COUNTERWEIGHTS MAGNAFLUXED, BUSHINGS REPLACED. ALL GEARS MAGNALUXED AND INSPECTED. ENGINE ASSEMBLED USING ALL NEW ROD AND MAIN BEARINGS (STD. & STD.), ALL NEW ROD BOLTS AND NUTS, NEW CAMSHAFT AND ALL NEW LIFTERS. ALL NEW COUNTERWEIGHT PINS, PLATES, AND SNAP RINGS INSTALLED. ALL NEW CRANKSHAFT GEAR AND CAMSHAFT GEAR BOLTS USED. ENGINE TEST RAN. REF. WO E1023. PARTS LISTING ENCLOSED.

PIEDMONT HAWTHORNE
AVIATION, INC.

(Cont. WO# E1023)

- S.B. 96-11 PROP STRIKE - C.W.
- C.S.B. 97-10A PISTON PINS - NA BY SN
- M.S.B. 96-10 CRANKSHAFT ULTRASONIC INSPECTION - C.W.
- S.B. 96-3B CRANKSHAFT GEAR BOLTS - C.W.
- S.B. 94-8 MAGNETO TO ENGINE TIMING - C.W.
- M92-15 TORQUE LIMITS - C.W.
- M92-9 FLANGED THRU BOLT NUT - C.W.
- M91-9 CAM & LIFTER PRE LUBE - C.W.
- M89-24 CRANK, ROD & COUNTERWEIGHT INFO. - C.W.
- A.D. 79-05-09 OIL PRESSURE RELIEF VALVE - NA BY SN
- A.D. 96-12-04 SUPERIOR PISTONS - NA CONTINENTAL INSTALLED
- A.D. 97-21-02 CYLINDERS, PISTON & PINS - NA PER S.B. 97-10A
- A.D. 98-01-08 ROLLER EXHAUST ROCKERS - NA NOT INSTALLED

CYLINDER NO.					
1	2	3	4	5	6
72	62	72	65	74	70
80 PSI TEST					
COMPRESSION CHECK					

PERTINENT DETAILS ARE ON FILE AT THIS AGENCY.

APPROVED BY: *[Signature]* INSPECTOR FOR PIEDMONT
AVIATION SERVICES, INC. WINSTON-SALEM, N.C. REPAIR STATION # PAIR
208A.

DATE	GROUND			AIR			TOTAL TIME			REPAIRS - ADJUSTMENTS	SIGNATURE	NUMBER	
	Ground	Air	Total	Hrs.	Min.	Total	Hrs.	Min.	Total				
2-27-00													
2-27-00	TACH	364.0							436	0	REINSTALLED THIS ENGINE IN CESSNA 182R N 99 TRH 3/18268158. INSTALLED WITH NEW LAMP MOUNTS & MOUNT BOLTS. INSTALLED PER CESSNA SERVICE MANUAL. SERVICED WITH ARXOSHELL 80W. GROUND RUN & ADJUSTED PER M/M. NO OIL LEAKS OR FUEL LEAKS J. R. Hurlocker A&P 1908143		
<p>I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition. Time <u>436.0</u> hours Thomas R. Hurlocker A&P 1908143 IA J. R. Hurlocker 2-27-00</p>													

DATE	R.P.M.			GROUND			AIR			TOTAL TIME			REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Total	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.	Total			
2001															
03-22-01	TACH	424.5							496	5	COMPLETED 100 HOUR INSPECTION THIS DATE USING CESSNA 182 USP GUIDE. COMPRESSION #1 67/80 #2 69/80 #3 74/80 #4 69/80 #5 67/80 #6 74/80. CHANGED OIL, ADDED LEFT MAG 56 RN 1225 ARXOSHELL 15W-50. CHECKED & CHANGED OIL FILTER. REPLACED 5/10 10-34935-4 AIR FILTER ELEMENT. ENGINE GROUND RUN-UP, NO OIL 5/10 A189539FR LEAKS, ALL SYSTEMS NORMAL. AD 2000-23-21 N/A RIGHT MAG 56 RN 1225 BY CRANK AND 5/10. 4/10 96-12-07 USP BOTH 4/10 10-34935-5 MAG IMPULSE COUPLING RECHECK SOURCE. —END 5/10 A189539F				
<p>I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition. Time <u>496.5</u> hours Thomas R. Hurlocker A&P 1908143 IA J. R. Hurlocker 3-22-01</p>															

DATE	GROUND			AIR			TOTAL TIME			REPAIRS - ADJUSTMENTS	SIGNATURE	NUMBER	
	Ground	Air	Total	Hrs.	Min.	Total	Hrs.	Min.	Total				
2002													
8-1-02	TACH	464.3							536	3	COMPLETED 100 HOUR INSPECTION THIS DATE PER CESSNA 182 USP GUIDE. AIRCOMP TI = 2054.8 TMS DATE PER CESSNA 182 USP GUIDE. COMPRESSION #1 63/80 #2 61/80 #3 66/80 #4 63/80 #5 65/80 #6 68/80. CHANGED OIL, ADDED 11QT ARXOSHELL 15W-50. CHECKED & CHANGED OIL FILTER. REPLACED AIR FILTER ELEMENT. REPLACED PROP GOV. ROD END. REPLACED ALTERNATOR BOLT NUT, REPLACED BROWNE CLAMP ON OIL DIP STICK. ENGINE GROUND RUN-UP, ALL SYSTEMS NORMAL, NO OIL LEAKS. —END—		
<p>I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition. Time <u>536.3</u> hours Thomas R. Hurlocker A&P 1908143 IA J. R. Hurlocker 8-1-02</p>													

ENGINE LOGBOOK ENTRY

N9978H
CONTINENTAL O-470-U, S/N 286910-R
533.5 TACH

11 SEPT2003

605.5 T.T.E.

PERFORMED AN ANNUAL INSPECTION USING APPLICABLE SERVICE MANUALS AND 14 CFR 43 APP. D AS A GUIDE. DRAINED SUMP AND REMOVED FILTER. SERVICED WITH 12 QTS. A/S 15W-50 AND INSTALLED NEW FILTER (CH48108). COMPRESSION CHECK INDICATED CYLINDER NO. 1 @ 67/80, CYLINDER NO. 2 @ 60/80, CYLINDER NO. 3 @ 69/80, CYLINDER NO. 4 @ 64/80, CYLINDER NO. 5 @ 64/80, CYLINDER NO. 6 @ 74/80. CLEANED, GAPPED, AND ROTATED SPARK PLUGS. GROUND RUN UP, OPERATIONAL, AND LEAK CHECK SATISFACTORY. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.

TIM G. ROTHROCK A&P244728775IA

Jim L. Rottle

DATE													NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.	Total		
25 SEPT 2004													
	535.2												

DRAINED OIL & REMOVED FILTER
SERVICED WITH 12 QTS A/S 15-50
AND INSTALLED NEW FILTER.
GROUND RUN, LEAK & OPERATIONAL
CHECK SATISFACTORY

Jim L. Rottle
A&P 244728775

ENGINE LOGBOOK ENTRY

N9978H
CONTINENTAL O-470-U, S/N 286910-R
590.7 TACH

06 OCTOBER 2004

662.7 T.T.E.

PERFORMED AN ANNUAL INSPECTION USING APPLICABLE SERVICE MANUALS AND 14 CFR 43 APP. D AS A GUIDE. COMPRESSION CHECK INDICATED CYLINDER NO. 1 @ 65/80, CYLINDER NO. 2 @ 65/80, CYLINDER NO. 3 @ 71/80, CYLINDER NO. 4 @ 65/80, CYLINDER NO. 5 @ 72/80, CYLINDER NO. 6 @ 75/80. CLEANED, GAPPED, AND ROTATED SPARK PLUGS. GROUND RUN UP, OPERATIONAL, AND LEAK CHECK SATISFACTORY. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.

TIM G. ROTHROCK A&P244728775IA

Jim L. Rottle

TIME ON GROUND		AIR	
Hrs.	Min.	Total	Hrs.

**PIEDMONT HAWTHORNE
AVIATION**

DATE: 11/10/05 MODEL: 182R S/N: 18268158 TACH: 632.8 N#: 9978H W/O# H002756 TT: 2223.3
ENGINE MODEL: O-470U-17B S/N: 286910 TT: 704.8

Performed a 100 HOUR Inspection I/A/W Cessna Model 182 & T182 Service Manual. Drained engine oil and removed filter, inspected filter no metal noted, installed a new CH48109-1 filter and serviced engine with Aeroshell 15W50 oil. Compression readings were cylinder #1(58), #2(58), #3(62), #4(66), #5(62), #6(64), replaced oil cooler gaskets, replaced six spark plugs, cleaned and gapped upper spark plugs. Washed engine and performed ground operational checks no defects noted.

END
PERTINENT DETAILS ARE ON FILE AT THIS AGENCY.

APPROVED BY: *Wayne MDT* INSPECTOR FOR PIEDMONT HAWTHORNE AVIATION, WINSTON-SALEM, N.C. REPAIR STATION # PAIR 208A.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. PERTINENT DETAILS ARE ON FILE AT THIS AGENCY.

APPROVED BY: *Wayne MDT* INSPECTOR FOR PIEDMONT HAWTHORNE AVIATION, WINSTON-SALEM, NC. REPAIR STATION # PAIR 208A



LANDMARK AVIATION

DATE:12/12/06 MODEL : 182R S/N: 18268158 TACH: 705.8 N#: 9978H W/O#
H003133 TT:2296.3

ENGINE MODEL: O470U17B S/N: 286910-R TT: 777.8

Performed a 100 HOUR Inspection using Cessna Model 181 & 182T Series Service Manual as guide . Drained engine oil and removed oil filter , inspected filter no metal noted , installed a ne CH48108 filter and serviced engine with Aeroshell 15W50 oil. Compression readings were cylinder #1(68),#2(60),#3(66),#4(64),#5(62),#6(60), cleaned and gapped spark plugs . Washed engine and ground ran leak checked satisfactory.
END

PERTINENT DETAILS ARE ON FILE AT THIS AGENCY.

APPROVED BY: Wayne Moore INSPECTOR FOR
LANDMARK AVIATION, WINSTON-SALEM, N.C. REPAIR STATION # PAIR
208A.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. PERTINENT DETAILS ARE ON FILE AT THIS AGENCY.

APPROVED BY: Wayne Moore INSPECTOR FOR
LANDMARK AVIATION, WINSTON-SALEM, NC. REPAIR STATION # PAIR208A

TIME ON GROUND

Hrs. Min. Total



REPAIRS - ADJUSTMENT

DATE:1/11/08 MODEL:182R S/N:18268158 TACH: 779.8N#:N9978H W/O# H003501 ENGINE MODEL:0-470U-17B SN:286910-R

PERFORMED 100 HOUR INSPECTION REF. CESSNA 182 SERIES MAINT. MANUAL INSPECTION GUIDE. CHANGED OIL AND FILTER. SERVICED ENGINE WITH 11 QTS. AEROSHELL 15W50. INSTALLED NEW CH48108-1 FILTER. CUT AND INSPECTED FILTER. NO METAL NOTED. CLEANED AND GAPPED PLUGS, CHECKED MAG TIMING TO ENGINE. PERFORMED COMPRESSION CHECK AS FOLLOWS #1-60 #2-60 #3-64 #4-60 #5-60 #6-64. WASHED DOWN ENGINE. POST INSPECTION RUN UP GOOD. NO LEAKS OR DEFECTS NOTED AT THIS TIME.

PERTINENT DETAILS ARE ON FILE AT THIS AGENCY.
APPROVED BY: [Signature] INSPECTOR FOR
LANDMARK AVIATION, WINSTON-SALEM, N.C. REPAIR STATION # PAIR 208A.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. PERTINENT DETAILS ARE ON FILE AT THIS AGENCY.
APPROVED BY: [Signature] INSPECTOR FOR
LANDMARK AVIATION, WINSTON-SALEM, NC. REPAIR STATION # PAIR208A

DN
ND



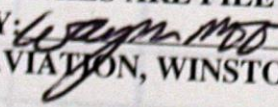
LANDMARK AVIATION

DATE: 3/11/10 MODEL:182R S/N: 18268158 TACH: 875.9 N #: 9978H W/O# H19-10-00258

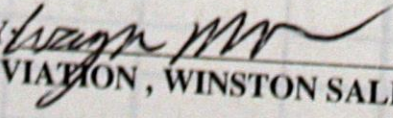
ENGINE MODEL;O-470U S/N:286910-R TT:947.9

Performed a 100 HOUR Inspection using Cessna 182 & T182 Series Service Manual as a guide. Drained engine and removed filter inspected filter no metal noted , installed a new CH48108-1 filter and serviced engine with Aeroshell 15W50 oil. Compression readings were cylinder #1(62),#2(62),#3(64),#4(65),#5(65),#6(70) , checked mag timing. Washed engine and ground ran leak and ops checked satisfactory. END-----

PERTINENT DETAILS ARE FILE AT THIS AGENCY.

APPROVED BY:  INSPECTOR FOR
LANDMARK AVIATION, WINSTON SALEM, N.C. REPAIR STATION # PAIR
208A

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION , PERTINENT DETAILS ARE ON FILE AT THIS AGENCY.

APPROVED BY:  INSPECTOR FOR
LANDMARK AVIATION , WINSTON SALEM N.C. REPAIR STATION
#PAIR208A



**LANDMARK
A V I A T I O N**

DATE: 3/15/11 MODEL:182R S/N:18268158 TACH:912.2 N #:9978H W/O#H19-11-00499 ACTT:2502.8

ENGINE MODEL: O 470-17B S/N:286910-R TT:984.2

Performed a 100 HOUR Inspection using Cessna Progressive Care Model 182&T182 operation 1,2,3&4 as a guide . Drained oil and removed filter , inspected filter no metal noted , installed a new CH4810-81 filter and serviced engine with Aeroshell 15 W 50 oil . Compression readings were cylinder #1(62),#2(60),#3(64),#4(40),#5(70), #6(72), removed #4 cylinder for repairs by Triad Aviation , reinstalled cylinder (see serviceable parts tag for details) per TCM O470 maintenance manual and TCM SB96-7 C using new seals and gaskets , cleaned and gapped spark plugs , checked mag timing . Washed engine and ground ran leak and ops checked satisfactory. END-

PERTINENT DETAILS ARE FILE AT THIS AGENCY.

APPROVED BY: *[Signature]* INSPECTOR FOR
LANDMARK AVIATION, WINSTON SALEM, N.C. REPAIR STATION # PAIR
208A

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION , PERTINENT DETAILS ARE ON FILE AT THIS AGENCY.

APPROVED BY: *[Signature]* INSPECTOR FOR
LANDMARK AVIATION , WINSTON SALEM N.C. REPAIR STATION
#PAIR208A

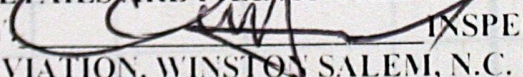


LANDMARK A V I A T I O N

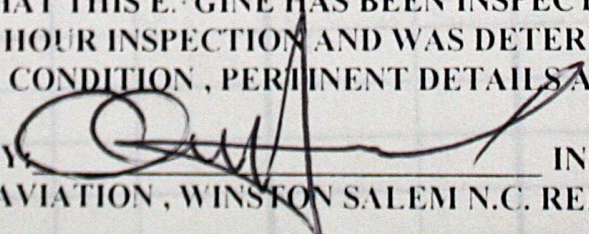
DATE:2/12/09 MODEL:182R S/N:18268158 TACH:829.3 N #:N9978H
W/O#H003843 ENGINE MODEL: 0-470U-17B SN:286910-R TT:901.3

PERFORMED 100 HOUR INSPECTION REF. CESSNA 182 SERIES SERVICE
MANUAL. CHAGED OIL AND FILTER. SERVICED ENGINE WITH 11 QTS
AEROSHELL 15W50. INSTALLED NEW CH48108-1 FILTER. CUT AND
INSPECTED FILTER. NO METAL NOTED. CLEANED AND GAPPED PLUGS,
CHECKED MAG TIMING TO ENGINE. PERFORMED COMPRESSION CHECK
AS FOLLOWS #1-65 #2-62 #3-72 #4-65 #5-68 #6-68. WASHED DOWN ENGINE.
POST INSPECTION RUN UP GOOD. NO LEAKS OR DEFECTS NOTED AT THIS
TIME.

PERTINENT DETAILS ARE FILE AT THIS AGENCY.

APPROVED BY:  INSPECTOR FOR
LANDMARK AVIATION, WINSTON SALEM, N.C. REPAIR STATION # PAIR
208A

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE
WITH AN 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN
AIRWORTHY CONDITION , PERTINENT DETAILS ARE ON FILE AT THIS
AGENCY.

APPROVED BY:  INSPECTOR FOR
LANDMARK AVIATION , WINSTON SALEM N.C. REPAIR STATION
#PAIR208A



**LANDMARK
AVIATION**

DATE:3/21/12 MODEL:182R S/N:18268158 TACH:924.6 N #:9978H W/O#H19-12-00723

ENGINE MODEL: O470U17B S/N:286910-R TSN:996.6

Performed a 100 HOUR Inspection using Cessna Model 182 & T182 Series Service Manual as a guide.

Drained engine oil and removed, inspected filter no metal noted

Installed a new CH48108-1 filter and serviced engine with Aeroshell 15W50

Compression readings were #1(58),#2(55),#(62),#4(72),#5(60),#6(71)

Cleaned and gapped spark plugs

Checked mag timing

Washed engine and ground ran leak and ops checked satisfactory. END-----

PERTINENT DETAILS ARE FILE AT THIS AGENCY.

APPROVED BY: *W. Lynn Mot* INSPECTOR FOR

LANDMARK AVIATION, WINSTON SALEM, N.C. REPAIR STATION # PAIR
208A

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE
WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN
AIRWORTHY CONDITION , PERTINENT DETAILS ARE ON FILE AT THIS
AGENCY.

APPROVED BY: *W. Lynn Mot* INSPECTOR FOR
LANDMARK AVIATION, WINSTON SALEM N.C. REPAIR STATION

#PAIR208A



**LANDMARK
A V I A T I O N**

DATE:4/22/13 MODEL:182 S/N:18268158 TACH:943.3 N #:9978H W/O#H19-13-00948

ENGINE MODEL:O-470 S/N:286910-R TSN:1015.1

Performed a 100 HOUR inspection using Cessna Model 182 & T182 Series Service Manual as a guide

Drained engine oil and removed filter , inspected filter no metal noted

Installed a new CH48108-1 filter and serviced engine with Aeroshell 15W50 oil

Compression readings were cylinder #1(50),#2(58),#3(58),#4(64),#5(68),#6(60)

Cleaned and gapped spark plugs

Checked mag timing

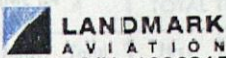
Washed engine and ground ran leak and ops checked satisfactory. END-----

PERTINENT DETAILS ARE FILE AT THIS AGENCY.

APPROVED BY *Wayne Moore* INSPECTOR FOR
LANDMARK AVIATION, WINSTON SALEM, N.C. REPAIR STATION # PAIR
208A

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE
WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN
AIRWORTHY CONDITION , PERTINENT DETAILS ARE ON FILE AT THIS
AGENCY.

APPROVED BY *Wayne Moore* INSPECTOR FOR
LANDMARK AVIATION, WINSTON SALEM, N.C. REPAIR STATION
#PAIR208A



DATE: 4-08-2014 MODEL: Cessna 182R S/N: 18268158 TT: 2559.1 TACH: 968.6 N9978H
 ENGINE: O-470-U SN: 286910-R ETT: 1040.6 WO#H19-14-01161

- 1) Completed Annual/100 hour Inspection using Cessna 182 Service Manual D2068-3-13, section 2-50.
- 2) Compression: #1 60/80, #2 60/80, #3 62/80, #4 65/80, #5 58/80, #6 60/80, master orifice for day was 38 psi, borescoped cylinders, no defects noted.
- 3) Changed oil and added Aeroshell 15W50.
- 4) Checked and changed oil filter.
- 5) Replaced air filter element with new p/n BA8103-1.
- 6) Replaced #1 cylinder lower spark plug.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL/100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT THIS AGENCY.

SIGNED J.P. Henlocke
 LANDMARK AVIATION, WINSTON-SALEM, N.C. REPAIR STATION NO. PAIR208A.



ENGINE LOG



DATE: 5-07-2015 MODEL: Cessna 182R S/N: 18268158 TT: 2600.3 TACH: 1009.8 N9978H
 ENGINE: O-470-U SN: 286910-R ETT: 1081.8 WO#H19-15-01368

- 1) Completed Annual/100 hour Inspection using Cessna 182 Service Manual D2068-3-13, section 2-50.
- 2) Compression: #1 52/80, #2 50/80, #3 64/80, #4 60/80, #5 50/80, #6 65/80, master orifice for day was 38 psi, borescoped cylinders, no defects noted.
- 3) Changed oil and added Aeroshell 15W50.
- 4) Checked and changed oil filter.
- 5) Replaced air filter element with new p/n BA-8103-1.
- 6) Retimed both mags.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL/100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT THIS AGENCY.

SIGNED J.P. Henlocke
 LANDMARK AVIATION, WINSTON-SALEM, N.C. REPAIR STATION NO. PAIR208A.



DATE: 9-23-2015 MODEL: Cessna 182R S/N: 18268158 TT: 2636.2 TACH: 1045.7 N9978H
 ENGINE: O-470-U SN: 286910-R ETT: 1117.7 WO#H19-15-01416

- 1) Removed oil cooler and oil cooler adapter, cleaned and replaced gaskets, reinstalled cooler and adapter IAW TCM O-470.
- 2) Washed engine, ground run, no leaks noted.

PERTINENT DETAILS ARE ON FILE AT THIS AGENCY. I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

DATE 9-23-2015 SIGNED J.P. Henlocke
 LANDMARK AVIATION, SMITH REYNOLDS AIRPORT, 3901 NORTH LIBERTY STREET, WINSTON SALEM, NC 27105, FAA REPAIR STATION NO. PAIR208A



N9978H

DATE: 6-03-2016 MODEL: Cessna 182R S/N:18268158 TT: 2684.8 TACH: 1094.3
ENGINE: IO-470-U SN: 286910-R ETT: 1166.3

- 1) Completed Annual/100 hour Inspection using Cessna 182 Service Manual D2068-3-13, section 2-50.
- 2) Compression: #1 54/80, #2 60/80, #3 62/80, #4 62/80, #5 15/80, #6 64/80, master orifice for day was 38 psi, borescoped cylinders.
- 3) Removed #5 cylinder for low compression.
- 4) Replaced number 5 cylinder with new p/n SA47006L-A20P s/n 476LE162909 per Continental MM and SB.
- 5) Changed oil and added Aeroshell 100 mineral oil
- 6) Checked and changed oil filter.
- 7) Replaced air filter element with new p/n BA-8103-1.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL/100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.

SIGNED Thomas Hurlocker
Thomas Hurlocker A&P 1908143 IA

N9978H

DATE: 7-11-2017 MODEL: Cessna 182R S/N:18268158 TT: 2723.6 TACH: 1133.1
ENGINE: O-470-U SN: 286910-R ETT: 1205.1

- 1) Completed Annual Inspection using Cessna 182 Service Manual D2068-3-13, section 2-50 as guide and FAR 43, App. D.
- 2) Compression: #1 52/80, #2 55/80, #3 65/80, #4 62/80, #5 72/80, #6 62/80, master orifice for day was 40 psi, borescoped cylinders, valves were good per Continental SB03-3.
- 3) Changed oil and added Aeroshell 15W50.
- 4) Checked and changed oil filter, installed new filter p/n CH48108-2
- 5) Replaced air filter element with new p/n BA-8103-1.
- 6) Replaced lower spark plugs with new p/n URHB32E.
- 7) Replaced left magneto with overhauled mag p/n 10-349650-4, s/n F-05478.
- 8) Replaced right magneto with overhauled mag p/n 10-349650-5, s/n F-03443.

I certify this ENGINE has been inspected in accordance with a 100 Hour/ANNUAL Inspection and was determined to be in airworthy condition.

SIGNED Thomas Hurlocker
Thomas Hurlocker A&P 1908143 IA

ENGINE LOG

DATE 8/15/2018 N9978H Model -182R S/N- 18268158 TACH- 1180.2 AFTT-2770.7 WO#S19-18-04508
Engine- IO470-U s/n-286910-R TT-1252.2 Propeller- C2A34C204-C s/n-992609 TT-816.2

1. Complied with annual inspection using Cessna 182 MM as a guide
2. Performed compression check : master orifice=44 1-50, 2-52, 3-70, 4-50, 5-70, 6-70
3. Change oil and filter CH48103-1 and serviced with 11 qts of Aeroshell 15W50
4. Installed new bracket air filter element p/n-BA8103-1
5. Adjusted R/H magneto timing
6. Complied with AD 2016-16-12 per inspection of the maintenance records and there are no ECI cylinders installed

I certify that this ENGINE has been inspected in accordance with an ANNUAL Inspection and was determined to be in Airworthy Condition. I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

SIGNED Joe G. Johnson

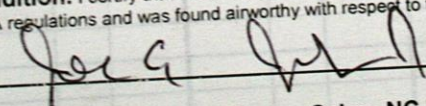
Signature TechnicAir Winston Salem NC FAA Repair Station PAIR208A

ENGINE LOG

DATE 9/12/2019 N9978H Model -182R S/N- 18268158 TACH- 1207.1 AFTT-2797.6 WO#S19-19-05097
Engine- IO470-U s/n-286910-R TT-1279.1 Propeller- C2A34C204-C s/n-992609 TT-843.1

1. Complied with annual inspection using Cessna 182 MM as a guide
2. Performed compression check : master orifice=45 #1(24),#2(50),#3(60),#4(45),#5(70),#6(64)
3. Change oil and filter CH48103-1 and serviced with 11 qts of Aeroshell 100 mineral
4. Installed new bracket air filter element p/n-BA8103-1
5. Installed new Superior cylinder assemblies at #1 location P/N: SA7006L-A20P S/N:476LC194686 and #4 location P/N: SA7006L-A20P S/N: 476LC194685 . Compression check after run up was #1-70/80 #4-71/80 master orifice was 42.

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in Airworthy Condition. I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

SIGNED : 

Signature TechnicAir Winston Salem NC FAA Repair Station PAIR208A

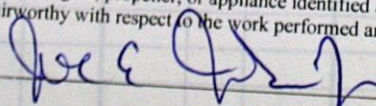
Grd	GROUND				AIR				REPAIRS - ADJUSTMENTS	SIGNATURE
	Hrs	Min	Total	Hrs	Min	Total	Hrs	Min		



05/05/2020 N#:N9978H MODEL:182R SN:18268158 TACH:1227.4 WO#:S19-20-05377

1. Removed all spark plugs, Cleaned all spark plugs and all spark plugs tested good, reinstalled spark plugs, run up and ops check was good.
2. Serviced all tires with nitrogen

I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

APPROVED BY 

Signature TechnicAir Winston Salem NC FAA Repair Station PAIR208A



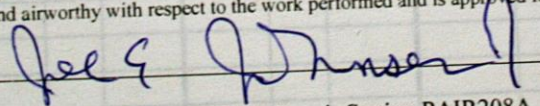
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TECHNICAIR
Aircraft Maintenance
A BBA Aviation company

ENGINE

07/10/2020 N#:N9978H MODEL:182R SN:18268158 TT/HM:0.0 WO#:S19-20-05436

1. Drained engine oil, removed oil filter and inspected, no metal noted, installed a new CH48108-1 filter and serviced engine with 11 qts. Aeroshell 15W50 oil. ref Cessna 182 MM 12-14-02. Run up, leak and ops check was good.
2. Removed engine rpm indicator and bench checked and found indicator defective. **Old tachometer reading is (1237.2) Installed overhauled tachometer P/N-C668020-0217 s/n-872, New Tach reading is 0000.0**, run up and ops check was good. REF. Section 15 182 Service manual.

I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

APPROVED BY 
Signature TechnicAir Winston Salem NC FAA Repair Station PAIR208A

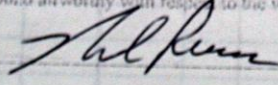
ENGINE LOG

10/05/2020 N#:N9978H MODEL:182R SN:18268158 TT:2838.3 HM:10.6 WO#:S19-20-05557

Engine: Continental O-470-U17B SN:286910-R TSMOH:1319.8

- Complied with annual inspection using the Cessna 182 mm as a guide to include the 100 hour lubrication
- Compression reading were, cylinder #1(70), #2(55), #3(65), #4(68), #5(68), #6(65), master orifice reading for the day 40 40 PSI ref Continental Standard Practice for Spark Ignited Engines section 6-4.
- Removed oil filter and installed new PN CH48108-1 NSN. Ref Model 182 Series Service Manual 11-17. leak checked satisfactory

I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

APPROVED BY 
Signature TechnicAir Winston Salem NC FAA Repair Station PAIR208A

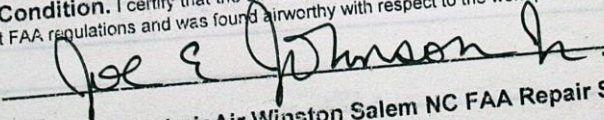
ENGINE LOG

DATE 11/13/2021 N9978H Model -182R S/N- 18268158 TACH- 40.5 AFTT-2868.2 WO# S19-21-05971
Engine- IO470-U s/n-286910-R TT-1349.7 Propeller- C2A34C204-C s/n-992609 TT-913.7

- 1. Complied with annual inspection using Cessna 182 MM as a guide
- 2. Master Orifice 40 psi, Performed engine compression check. #1 70/80, #2 60/80, #3 55/80, #4 65/80, #5 65/80, #6 60/80.
- 3. Change oil and filter CH48103-1 and serviced with 12 qts Aeroshell 15W-50
- 4. Replaced Brackett induction air filter p/n- BA-8103 ref Brackett installation instruction I-194
- 5. Installed new lower spark plugs in cylinders #1, #2, #6 PN:URHB32E. Ground run, operation checks good.
- 6. Recommended 12 year engine overhaul is due, Customer elects no action.
- 7. Recommended 6 year replacement of vacuum pump is due, Customer elects no action.

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in Airworthy Condition. I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

SIGNED


Signature TechnicAir Winston Salem NC FAA Repair Station PAIR208A

12/01/2022 N#:N9978H MODEL:C182 SN:18268158 TT/HM:2890.6 WO#:S19-22-06304

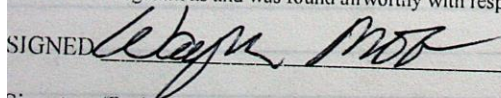
Engine-O470-U S/N:286910-R TT:1372.2 Propeller C2A34C204-C TT:936.2

ENGINE

Complied with annual inspection using the Cessna 182 mm as a guide
Performed compression check. #1(75/80) #2(62/80) #3(70/80) #4(65/80) #5(68/80) #6(65/80). Master for the day was 44/80psi. Ref. Continental Standard Practice for Spark Ignited Engines section 6-4.
Drained engine oil and removed filter PN:CH48108-1. Installed new filter PNCH48108-1. Serviced engine with 11 qts of Aeroshell 15w50 oil. Ref. Cessna 182 Service Manual Section 2.
Complied with Brackett air filter inspection/replacement Doc. I-194. installed new filter PN:BA8103-1. Ref. Cessna Model 182 and T182 Series Service Manual Section 11-66 and brackett ICA document I-194.
Recommended 12 year engine overhaul due No work performed per customer request
Recommended 6 year replacement of vacuum pump due No work performed per customer request

I certify that this ENGINE has been inspected in accordance with the inspection and procedures of FAR 91.409 (f)(3) Inspection Program. An ANNUAL inspection was performed and the ENGINE was determined to be in Airworthy Condition. I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

SIGNED



Signature TechnicAir Winston Salem, NC FAA Repair Station PAIR208A

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DATE



SIGNATURE
TECHNICAIR™
Aircraft Maintenance
A BBA Aviation company

1/2/2024 N#:N9978H MODEL:C182R SN:18268158 TT/HM:83.7 WO#:S19-23-06652

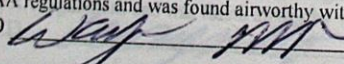
Engine Model:O-470-U S/N:286910-R TT:1391.8

Propeller Model:C2A34C204-C S/N:992609 TT:956.8

1. Complied with an Annual Inspection using Cessna 182 Series Service Manual as a guide to include 100 hour lubes
2. Compression readings were cylinder #1(65),#2(55),#3(70),#4(60),#5(65),#6(60) master orifice 45 psi ref TCM Spark Ignited Standard Practice manual CH6
3. Drained engine oil and remove oil filter , inspected filter no metal noted , installed a new CH48108-1 filter and serviced engine with Aeroshell 15W50 oil . REF Cessna 182 Service manual 2-16 Needs leak checked leak checked satisfactory
4. Cleaned engine ref Cessna 182 Series MM 2-37 leak checked satisfactory

I certify that this ENGINE has been inspected in accordance with the inspection and procedures of **FAR 91.409 (f)(3) Inspection Program**. An ANNUAL inspection was performed and the AIRCRAFT was determined to be in Airworthy Condition. I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

SIGNED


Signature TechnicAir Winston Salem, NC FAA Repair Station PAIR208A