

AIRFRAME LOG

1. Nationality and Registration N1541AJ

2. Manufacturer's Designation DA 40

3. Record of

- (a) Engine Installations
- (b) Propeller Installations
- (c) Airworthiness Directives (A/D)
- (d) Service Bulletins (S/B)
- (e) Special Inspections (S/I)
- (f) Modifications (MODS)

ENGINE LOG

1. Make LYCOMING
2. Model TIO-360-M1A
3. Specification IE10
4. Manufacturer's Serial Number L-32090-57A
5. Date of Manufacture _____
6. Aircraft Inspection Cycle _____

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

SN 40-541

DA
Q 42

[Signature]

Engine time - 102.8 Date 4/29/06
 Installed new Champion oil filter
 P/N CH48110-1 & 8 qts Phillips 20W/50 oil
 Test run - no leaks - return to service
 Arthur Natv: P 550528361
 AAR P Naty 4/29/06

DA
Q 42

[Signature]

Engine:	SN: L-32090-51A	N541AJ
Lyc. IO-360-M1A		S/N: 40-541
Engine Total Time:	Hobbs Time:	DATE:
149.8	211.7	8/02/2006

Performed a 100 Hour/Annual Inspection in accordance with 14 CFR Part 43 appendix D and the Diamond DA 40 Series Aircraft Maintenance Manual, Rev. 4. Checked cylinder compressions: 1-74, 2-72, 3-72, 4-72/80 PSI. Cleaned, gapped, tested, and rotated spark plugs. Tested ignition harness. Adjusted magneto timing. Changed oil and filter. Serviced 8 quarts Phillips 20W/50 XC and installed new filter P/N: CH48110-1. Checked old filter for metal contamination - none detected. Inspected and cleaned fuel strainer and screen. Washed engine and lubricated engine controls. Engine leak and operational check normal. AD's checked through Tdata release # 2006-15.

THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. # LS06-1150

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES FOR AN INSPECTION PROGRAM REQUIRED BY FAR 91.409 (b) (3) AND IS APPROVED FOR RETURN TO SERVICE.

S.O. #. LS06-1150

ACFT. TOTAL TIME: 149.8 Hrs.

AUTHORIZED SIGNATURE: Michael S. Herbert AP31535611A *Michael S. Herbert*
 WEST COAST CHARTERS INC, 2881 EAST SPRING STREET LONG BEACH, CA 90806

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
12/03/06	192	6			Install new Champion CH48110-1 Check old filter for contamination - clear serviced 8 qts Phillips 20-50 Arthur Natvig pp 550528361 Auth / Natvig 12/3/06
4/30/07	228	6			Replace oil filter Champion CH48110-1 no contamination noted in old filter Serviced eight qts Phillips 20-50 Arthur Natvig pp 550528361 Auth / Natvig 4/30/07
6/10/07	258	6			Remove & replace oil filter CH48110-1 no contamination noted serviced eight qts Phillips 20-50 Arthur Natvig pp 550528361 Auth / Natvig 6/10/07

Engine:	Engine S/N:	N541AJ
Lyc. IO-360-M1A	SN: L-32090-51A	S/N: 40-541
Engine Total Time:	Hobbs Time:	Date:
288.2	392.2	9/10/2007

Performed a 100 Hour/Annual Inspection in accordance with the Diamond DA 40 Series Aircraft Maintenance Manual, Rev. 4. Checked cylinder compressions: 1-74, 2-70, 3-72, 4-70/80 PSI. Cleaned, gapped, tested, and rotated spark plugs. Tested ignition harness. Adjusted magneto timing. Changed oil and filter. Serviced 8 quarts Phillips 20W/50 XC and installed new filter P/N: CH48110-1. Checked old filter for metal contamination - none detected. Inspected and cleaned fuel injector nozzles, fuel strainer and injector screen. Washed engine and lubricated engine controls. Engine leak and operational check normal. AD's checked through Tdata release # 2007-18.

THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. # LS07-1253

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

AUTHORIZED SIGNATURE: Michael S. Herbert AP31535611A



2881 E. Spring Street, Long Beach, CA 90806
Office: 562-981-6064 Fax: 562-981-6071

TOTAL THIS PA

TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

ENGINE SERVICE AND

TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
HRS.	MIN.	HRS.	MIN.	
→				
192.5				Install
312.6				Change oil & Filter 7 qts Phillips 20W/50 Champion CH48110-1 Arthur Netvis pp 550528361 AJ Naty 2/17/08
360.7				Change oil & filter 7 qts Phillips 20W/50 Champion CH48110-1 Arthur Netvis 550528361 AJ Naty 7/12/08
367.6				Remove eight spark plugs Replace with eight Union UREM38 Test OK

Engine Model: IO-360-M1A	Engine S/N: L-32090-51A	N541AJ S/N: 40.541
Engine Total Time: 371.0	Aircraft Total Time: 371.0	Date: 10/10/2008

COMPLIED WITH THE FOLLOWING INSPECTIONS:

1. 100 Hour/Annual Inspection IAW the DA 40 AMM, CH 5.

COMPLIED WITH THE FOLLOWING LUBRICATION SCHEDULES:

1. 100 Hour lubrication IAW the DA4 AMM, 12.

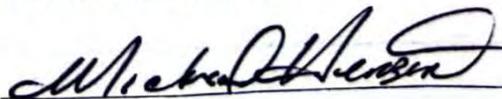
PERFORMED THE FOLLOWING MAINTENANCE:

1. Changed oil and filter. Serviced 8 quarts Phillips 20W/50 XC and installed new filter P/N: CH48110-1. Checked old filter for metal contamination - none detected.
2. Checked compressions: 1-72, 2-72, 3-70, 4-72/ 80 PSI.
3. Inspected and cleaned fuel injection nozzles.
4. Cleaned, gapped, and tested spark plugs.
5. Inspected fuel injector and strainer screens.
6. Installed M-20 Air/Oil Separator IAW STC # SA02033AT and the M-20 Crankcase Air/Oil Separators Installation Instruction dated 8/10/2006. Weight and balance not affected.
7. Complied with AD 08-14-07 (External fuel injection lines) by visual inspection. Next due Tach: 471.0
8. AD 08-19-05 (ECI Titan cylinders) does not apply to this engine, equipment not installed.

ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. # LS08-1185.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES FOR AN INSPECTION PROGRAM REQUIRED BY FAR 91.409-(f)-(g), AND IS APPROVED FOR RETURN TO SERVICE. AD'S REVIEWED THROUGH BIWEEKLEY 2008-20.

AUTHORIZED SIGNATURE: Michael S. Herbert



CRS # GSPR467E.



2881 E. Spring Street, Long Beach, CA 90806
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ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
11/26/06	192.0				Install
2/17/08	312.6				Change oil & Filter 7 qts Phillips 20W/50 Champion CH48110-1 Arthur Netvis pp 550528361 AJ Netvis 2/17/08
7/12/08	360.7				Change oil & filter 7 qts Phillips 20W/50 Champion CH48110-1 Arthur Netvis 550528361 AJ Netvis 7/12/08
8/17/08	362.6				Remove eight spark plugs Replace with eight Union UREM38 Test OK

Engine Model:	Engine S/N:	N541AJ
IO-360-M1A	L-32090-51A	S/N: 40.541
Engine Total Time:	Aircraft Total Time:	Date:
371.0	371.0	10/10/2008

COMPLIED WITH THE FOLLOWING INSPECTIONS:

1. 100 Hour/Annual Inspection IAW the DA 40 AMM, CH 5.

COMPLIED WITH THE FOLLOWING LUBRICATION SCHEDULES:

1. 100 Hour lubrication IAW the DA4 AMM, 12.

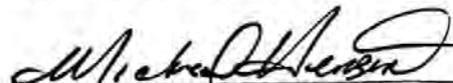
PERFORMED THE FOLLOWING MAINTENANCE:

1. Changed oil and filter. Serviced 8 quarts Phillips 20W/50 XC and installed new filter P/N: CH48110-1. Checked old filter for metal contamination - none detected.
2. Checked compressions: 1-72, 2-72, 3-70, 4-72/ 80 PSI.
3. Inspected and cleaned fuel injection nozzles.
4. Cleaned, gapped, and tested spark plugs.
5. Inspected fuel injector and strainer screens.
6. Installed M-20 Air/Oil Separator IAW STC # SA02033AT and the M-20 Crankcase Air/Oil Separators Installation Instruction dated 8/10/2006. Weight and balance not affected.
7. Complied with AD 08-14-07 (External fuel injection lines) by visual inspection. Next due Tach: 471.0
8. AD 08-19-05 (ECI Titan cylinders) does not apply to this engine, equipment not installed.

ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. # LS08-1185.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES FOR AN INSPECTION PROGRAM REQUIRED BY FAR 91.409 (F), AND IS APPROVED FOR RETURN TO SERVICE. AD'S REVIEWED THROUGH BIWEEKLEY 2008-20.

AUTHORIZED SIGNATURE: Michael S. Herbert



CRS # GSPR467E.



TOTAL THIS PAGE
TOTAL FROM
PREVIOUS SUMMA

2881 E. Spring Street, Long Beach, CA 90806
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ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
11/26/06	192.0				Install
2/17/08	312.6				Change oil & Filter 7 qts Phillips 20W/50 Champion CH48110-1 Arthur Netvis pp 550528361 AJ Naty 2/17/08
7/12/08	360.7				Change oil & filter 7 qts Phillips 25W/50 Champion CH48110-1 Arthur Netvis 550528361 AJ Naty 7/12/08
8/17/08	362.6				Remove eight spark plugs Replace with eight Union HREM38 Test OK

Engine Model:	Engine S/N:	N541AJ
IO-360-M1A	L-32090-51A	S/N: 40.541
Engine Total Time:	Aircraft Total Time:	Date:
371.0	371.0	10/10/2008

COMPLIED WITH THE FOLLOWING INSPECTIONS:

1. 100 Hour/Annual Inspection IAW the DA 40 AMM, CH 5.

COMPLIED WITH THE FOLLOWING LUBRICATION SCHEDULES:

1. 100 Hour lubrication IAW the DA4 AMM, 12.

PERFORMED THE FOLLOWING MAINTENANCE:

1. Changed oil and filter. Serviced 8 quarts Phillips 20W/50 XC and installed new filter P/N: CH48110-1. Checked old filter for metal contamination – none detected.
2. Checked compressions: 1-72, 2-72, 3-70, 4-72/ 80 PSI.
3. Inspected and cleaned fuel injection nozzles.
4. Cleaned, gapped, and tested spark plugs.
5. Inspected fuel injector and strainer screens.
6. Installed M-20 Air/Oil Separator IAW STC # SA02033AT and the M-20 Crankcase Air/Oil Separators Installation Instruction dated 8/10/2006. Weight and balance not affected.
7. Complied with AD 08-14-07 (External fuel injection lines) by visual inspection. Next due Tach: 471.0
8. AD 08-19-05 (ECI Titan cylinders) does not apply to this engine, equipment not installed.

ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. # LS08-1185.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES FOR AN INSPECTION PROGRAM REQUIRED BY FAR 91.409 (f) (3), AND IS APPROVED FOR RETURN TO SERVICE. AD'S REVIEWED THROUGH BIWEEKLEY 2008-20.

AUTHORIZED SIGNATURE: Michael S. Herbert CRS # GSPR467E.



2881 E. Spring Street, Long Beach, CA 90806
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TOTAL THIS PAGE
TOTAL FROM PREVIOUS SUMMA



Tail# N541AJ	Model: IO-360-M1A	S/N: L-32090-51A
Engine Log	Total Time: 480.7	Total Cycles: N/A
AFTT: 480.7	TSO: N/A	CSO: N/A

COMPLIED WITH THE FOLLOWING INSPECTION ITEMS

- 1- 100 hrs inspection using the Diamond DA-40 MM checklist as a guide. Cylinder differential pressure test as follows: #1: 74/80 #2: 78/80 #3: 73/80 #4: 76/80

COMPLIED WITH THE FOLLOWING SCHEDULED MAINTENANCE ITEMS

- 1- Oil and filter change. Serviced with 8 qts Phillips XC20W50 and installed a new filter P/N CH48110.

COMPLIED WITH THE FOLLOWING SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES

- 1- Airworthiness Directives checked biweekly thru 2009-22
- 2- AD 08-14-07, inspected the fuel injector fuel lines, no defects noted at this time.

THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. #. LS09-2224

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES FOR AN INSPECTION PROGRAM REQUIRED BY FAR 91.409 (a), AND IS APPROVED FOR RETURN TO SERVICE.

AUTHORIZED SIGNATURE _____

DATE: DEC 1 2009

WEST COAST AIRCRAFT MAINTENANCE 2881 East Spring Street Long Beach CA 90806 FAA CRS GSPR467E

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS
 ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

Tail# N541AJ	Model: Diamond DA40	S/N: 40.541
Engine Total Time: 639.9	Aircraft Total Time: 639.9	Tach Time: 639.9

COMPLIED WITH THE FOLLOWING INSPECTION ITEMS:

- 1- Annual/100 hr inspection using the DA40 AMM checklist as a guide. Cylinder compressions as follows
 1-78, 2-74, 3-76, 4-78.

COMPLIED WITH THE FOLLOWING AIRWORTHINESS DIRECTIVES:

- 1- Airworthiness Directives checked through biweekly 2011-09
- 2- AD08-14-07, inspected external fuel injection lines. Due again at Tach: 739.9

COMPLIED WITH THE FOLLOWING SCHEDULED MAINTENANCE ITEMS:

- 1- Oil and filter change. Serviced with 8 qts Phillips 20w/50 XC and installed new filter P/N: CH48110-1.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

SIGNATURE: Michael S Herbert AP3153561A DATE: 4/30/2011
 Michael S Herbert

10/2/11 Change oil & filter CH48110-1
 8 qts Phillips 20w/50 XC
 Tach time 688.4 Arthur Natvig 550-528361

3/3/12 Change oil & filter CH48110-1
 8 qts Phillips 20w/50 XC
 Tach 738.6 Arthur Natvig 550-528361

8/10/13 Change oil & filter CH48110-1 Phillips 20/50 XC
 8 qts Tach 856.0

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE INSTALLATIONS, INSPECTIONS,
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
7/10/10	574.7				Change oil & filter CH48110.1 8qts Phillips 20/50 XC Air-lyr Net 19 PP550528361 AP Net

Pacific Coast Aero, LLC
3325 Airport Dr. #6 Torrance, CA 310-530-0018

N541AJ **Tach: 810.9**
Lycoming IO-360-M1A **ATT: 810.9**
S/N L-32090-51A **Dec. 28, 2012**

Performed compression check: 1-79/80, 2-80/80, 3-75/80 & 4-77/80. Changed oil & oil filter. Added 8qts of 20/50 XC Phillips & installed new Champion oil filter, P/N CH48110. Cleaned & tested spark plugs. Replaced spark plugs copper washers with new, P/N M674. Inspected exhaust system for leak & cracks. Cleaned & inspected fuel injectors. Removed & replaced forward crankshaft seal with new, P/N LW-13972. Checked magneto timing, OK. Cleaned, inspected & lube air filter. C/W 2011-26-04 of fuel injector lines, checked satisfactory. Performed run up & checked for leaks, none noted.

I certify that this ENGINE has been inspected I.A.W. annual inspection & was determine to be in an airworthy condition. AD's checked thru 2012-23.

Hector Hernandez
Hector Hernandez A&P 0181089571A

Pacific Coast Aero, LLC
3325 Airport Dr. #6 Torrance, CA 310-530-0018

N541AJ **Tach: 923.6**
Lycoming IO-360-M1A **ESNEW: 923.6**
S/N L-32090-51A **June 27, 2014**

Performed compression check: 1-74/80, 2-74/80, 3-75/80 & 4-72/80. Changed oil & oil filter. Added 8qts of 25W60 XC Phillips & installed new Champion oil filter, P/N CH48110. Cleaned & tested spark plugs. Replaced spark plugs copper washers with new, P/N M674. Cleaned & inspected oil pick-up screen. Inspected exhaust system for leak & cracks, none noted. Checked magneto timing, OK. Cleaned, inspected & lube air filter. C/W 2011-26-04 of fuel injector lines, checked satisfactory. Washed engine down & lube engine controls. Performed run up & checked for leaks, none noted.

I certify that this ENGINE has been inspected I.A.W. annual inspection & was determine to be in an airworthy condition. AD's checked thru 2014-12.

Hector Hernandez
Hector Hernandez A&P 0181089571A

ORWARD

Pacific Coast Aero, LLC

3325 Airport Dr. #6 Torrance, CA 310-530-0018

N541AJ
Lycoming IO-360-M1A
S/N L-32090-51A

Tach:1043
ESNEW:1043
June 2, 2016

Performed compression check: 1-76/80, 2-77/80, 3-76/80 & 4-74/80. Changed oil & oil filter. Added 8qts of 25W60 XC Phillips & installed new Champion oil filter, P/N CH48110. Cleaned & tested spark plugs. Replaced spark plugs copper washers with new, P/N M674. Cleaned & inspected oil pick-up screen. Inspected exhaust system for leak & cracks, none noted. Removed & installed magnetos after service by Aero Accessories. See 8130. Timed mags per Lycoming Engine data plate. Performed magneto check, checked satisfactory. Cleaned, inspected & lube air filter C/W 2011-26-04 of fuel injector lines, checked satisfactory. Washed engine down & lube engine controls. Performed run up & checked for leaks, none noted.

I certify that this ENGINE has been I.A.W. annual inspection per FAR part 43/appendix D & was determine to be in an airworthy condition. AD's checked thru 2016-16.

Hector Hernandez A&P 1089571A

Pacific Coast Aero, LLC

3325 Airport Dr. #6 Torrance, CA 310-530-0018

N541AJ
Lycoming IO-360-M1A
S/N L-32090-51A

Tach:1092.3
ESNEW:1092.3
Aug. 9, 2017

Performed compression check: 1-79/80, 2-78/80, 3-73/80 & 4-73/80. Changed oil & oil filter. Added 8qts of Phillips XC 25W50 & installed new Champion oil filter, P/N CH48110. Cleaned & tested spark plugs. Replaced spark plugs copper washers with new, P/N M674. Cleaned & inspected oil pick-up screen. Inspected exhaust system for leak & cracks, none noted. Checked magneto timing, checked OK. Replaced cooling duct 1" to alternator & battery box. Cleaned & inspected air filter. C/W 2015-19-07 of fuel injector lines, checked satisfactory. Washed engine down & lube engine controls. Performed run up & checked for leaks, none noted.

Performed annual inspection I.A.W. FAR part 43 Appendix D & was determine to be in an airworthy condition. AD's checked thru 2017-15.

Hector Hernandez A&P 1089571A

Pacific Coast Aero, LLC

3325 Airport Dr. #6, Torrance CA 310-530-0018

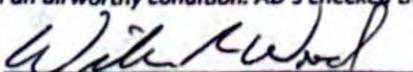
N541AJ
Lycoming IO-360-M1A
S/N L-32090-51A

Engine

Tach:1152.6
ESNEW:1152.6
Dec 20, 2018

Performed compression check: 1-78/80, 2-76/80, 3-76/80 & 4-72/80. Changed oil & oil filter. Added 7qts of 25W60 XC Phillips & installed new Tempest oil filter, P/N AA48110. Cleaned & tested spark plugs. Replaced spark plugs copper washers with new, P/N M674. Cleaned & inspected oil pick-up screen. Inspected exhaust system for leak & cracks, none noted. Checked magneto timing, OK. Cleaned, inspected & lube air filter. C/W 2011-26-04 of fuel injector lines, checked satisfactory. Washed engine down & lube engine controls. Performed run up & checked for leaks, none noted.

I certify that this ENGINE has been inspected I.A.W. annual inspection & was determine to be in an airworthy condition. AD's checked thru 2018-26.


William R Wood A&P 2767789 IA

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

Pro Air Aviation LLC Hangar 18, Roanoke Blacksburg Regional Airport, Roanoke VA, 24012
 5/14/2022, N541AJ, Lycoming IO-360-M1A S/N: L-32090-51A Total Time 1270.9
 Changed oil and filter, 8 Qts Philips 20W50, cleaned oil suction screen, cut open removed filter with no metal found. Cleaned and gapped all spark plugs. Cleaned all fuel injection nozzles. Cleaned fuel servo inlet screen. Replaced mixture tension spring P/N: RZ-063E-12X. Retimed both mags to 25° BTC. Verified Slick Start firing at 1° ATC. Performed AD2015-19-07 Inspection of the fuel injector fuel lines and clamps using Lycoming MSB342G, due again by TT 1380.9 or next disturbance of the line clamps.

This engine is approved for return to service for the above referenced items.

James Stanger A&P 2153204 Pro Air Aviation LLC

Pro Air Aviation LLC Hangar 18, Roanoke Blacksburg Regional Airport, Roanoke VA, 24012
 5/14/2022, N541AJ, Lycoming IO-360-M1A S/N: L-32090-51A Total Time 1270.9
 I certify this engine has been inspected I/A/W an **100 Hour Inspection** and was found to be in an airworthy condition.

James Stanger A&P 2153204 Pro Air Aviation LLC

11/4/2022, N541AJ, Tach: 1315.20
 Changed oil and filter, 8 Qts Phillips X/C 20W50 oil. Cut open removed filter with no metal found. No oil leak at filter or drain valve at run up.
 This engine approved for return to service for work performed.

James Stanger A&P 2153204
 Pro Air Aviation LLC

Pro Air Aviation LLC Hangar 18, Roanoke Blacksburg Regional Airport, Roanoke VA, 24012
 6/03/2023, N541AJ, Lycoming IO-360-M1A S/N: L-32090-51A Total Time 1356.4
 Changed oil and filter, 8 Qts Philips 20W50, cleaned oil suction screen, cut open removed filter with no metal found. Cleaned and gapped all spark plugs. Cleaned all fuel injection nozzles. Cleaned fuel servo inlet screen. Replaced induction gasket P/N SA71973 and induction seal ring P/N 77569 on cylinder #3. Both mags found at 25° BTC. Verified Slick Start firing at 2° ATC. Performed AD2015-19-07 eff date 11/3/2015 Inspection of the fuel injector fuel lines and clamps using Lycoming MSB342G, due again by TT 1466.4 or next disturbance of the line clamps.
 Compressions: #1. 78, #2. 78, #3. 74, #4. 76/80

This engine is approved for return to service for the above referenced items.

James Stanger A&P 2153204 Pro Air Aviation LLC

Pro Air Aviation LLC Hangar 18, Roanoke Blacksburg Regional Airport, Roanoke VA, 24012
 6/03/2023, N541AJ, Lycoming IO-360-M1A S/N: L-32090-51A Total Time 1356.4
 I certify this engine has been inspected I/A/W an **100 Hour Inspection** and was found to be in an airworthy condition.

James Stanger A&P 2153204 Pro Air Aviation LLC

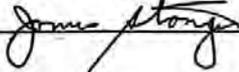
MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS
 ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

2/6/2024, N541AJ, Tach: 1397.5, DA40-180 S/N 40-541
 Changed oil and filter, 8 Qts Phillips X/C 20W50 oil. Cut open removed filter with no metal found. No oil leak at filter or drain valve at run up. Oil Sample taken.
 This engine approved for return to service for work performed.

 James Stanger A&P2153204
 Pro Air Aviation LLC

Pro Air Aviation LLC Hangar 18, Roanoke Blacksburg Regional Airport, Roanoke VA, 24012

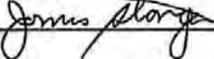
7/1/2024, N541AJ, Lycoming IO-360-M1A S/N: L-32090-51A Total Time 1423.5

Changed oil and filter, 7 Qts Phillips 20W50, cleaned oil suction screen, cut open removed filter with no metal found. Cleaned and gapped all spark plugs. Cleaned fuel servo inlet screen. Re-timed LT mag to 25° BTC. Verified Slick Start firing at 2° ATC.
AD2015-19-07 eff date 11/3/2015 performed inspection of the fuel injector fuel lines and clamps using Lycoming.

MSB342G, due again by TT 1533.5 or next disturbance of the line clamps.

Compressions: #1. 74, #2. 76, #3. 72, #4. 72/80

This engine is approved for return to service for the above referenced items.

 James Stanger A&P 2153204 Pro Air Aviation LLC

Pro Air Aviation LLC Hangar 18, Roanoke Blacksburg Regional Airport, Roanoke VA, 24012

7/1/2024, N541AJ, Lycoming IO-360-M1A S/N: L-32090-51A Total Time 1423.5

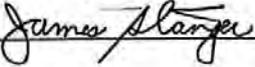
I certify this engine has been inspected I/AW an 100 Hour Inspection and was found to be in an airworthy condition.

 James Stanger A&P 2153204 Pro Air Aviation LLC

11/9/24, N541AJ, Tach: 1450.1, DA40-180 S/N 40-541

Performed inspection of nose gear for AD24-19-08 eff date 11/29/24, per par (h)(1)(iii) with no cracks found, due again by Tach 1560.1.

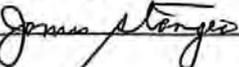
This aircraft approved for return to service for work performed.

 James Stanger A&P2153204
 Pro Air Aviation LLC

1/31/2025, N541AJ, Tach: 1462.1, DA40-180 S/N 40-541

Changed oil and filter, 8 Qts Phillips X/C 20W50 oil. Cut open removed filter with no metal found. No oil leak at filter or drain valve at run up. Oil Sample taken.

This engine approved for return to service for work performed.

 James Stanger A&P2153204
 Pro Air Aviation LLC

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

