Engine Log Book

R COMPLETE

Reg No: N139PS	Aircraft type: DA40	Aircraft S/N: 40.518
Tach: 1057.7	Hobbs: 12381	Aircraft Total Time: 1238,/
Engine Total Time:	Engine SMOH: N/A	Engine S/N: L-31929-514
Prop Total Time:	Prop SMOH: N/A	Prop S/N: CH38811B

I certify that this aircraft has been inspected in accordance with an Annual Inspection and found to be in airworthy condition. Inspection performed in accordance with FAR 43 appendix D, and using the Diamond Maintenance Manual inspection guide as a reference.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 2-19-2020

Signed:

Hobbs: N/A

Robert A. Bourland 3795668 AP/IA

Engine Log Book

Tach: 1057.2

Date: February 19th 2020

Aircraft type: DA40 Reg No: N139PS

Aircraft S/N: 40.518

Aircraft Total Time: 1057.2

1. I certify that this aircraft has been inspected in accordance with an Annual Inspection and found to be in airworthy condition. Inspection performed in accordance with FAR 43 appendix D, and using the Diamond Maintenance Manual inspection guide as a reference.

All AD's were checked for compliance to this date.

AD2015-19-07 was complied with at 1055.4 Tach time. Next due at 1165 Tach time or if maintenance is performed on fuel injection system whichever comes first.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Robert A. Bourland 3795668 AP/IA

ENGINE MODEL: Lycoming 10-360-M1A ENGINE S/N: L-31929-51A REG NO: N139PS

Advantage Aviation, Inc.

1903 Embarcadero Road Palo Alto, CA 94303 USA WORK ORDER: 2308-06-2020 Phone: 650-494-6946 (Hangar) DATE: 12 June, 2020 A/C TSN: 1107.49 ENG TT: 1107.49 TSMOH TACH: 1107 49

Engine Entries

(2) Completed a 50 Hour Inspection/Service: Drained oil, retrieved oil sample, removed and inspected filter element - No defects noted. Installed new CH48110-1 oil filter and safetied. Filled engine with 8 qts. of Aeroshell 15W50 oil. Cleaned, gapped and tested bottom spark plugs, rotated and reinstalled sparkplugs with new gaskets. Performed engine ground run and leak check. OPS and leak check good. No defects noted at this time. All work and inspections completed IAW an in house checklist... (3) C/W AD2015-19-07 Fuel Injection Line Inspection, no leaks or defects found, next due: 1207.5 hrs. - END

I certify this ENGINE is approved for RETURN TO SERVICE only for the work performed and stated in this maintenance entry.

DATE: 12 June, 2020

SIGNED:

Work Order: 2308-06-2020

Don Ganschow, A&P: 3830225

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ENGINE MODEL: Lycoming 10-360-M1A ENGINE S/N: L-31929-51A REG NO: N139PS WORK ORDER: 2390-07-2020

Advantage Aviation, Inc.

1903 Embarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar) DATE: 23 July, 2020 A/C TSN: 1153.5 ENG TT: 1153.5 TSMOH: TACH: 1153.5

Engine Entries

(2) Completed 100 Hour Inspection. Compression results: #1-72/80, #2-74/80, #3-74/80, #4-75/80. Drained oil, took oil sample for analysis by Blackstone. Removed and replaced the oil filter with a new, p/n CH48110-1, examined old element - no defects noted. Serviced engine with 8 qts of Aeroshell 15W50. Cleaned, inspected, gapped, tested spark plugs. Rotated and re-installed. Verified magneto timing. Engine run and leak check, no leaks or faults found.... (4) C/W AD2015-19-07 - Fuel Injection Lines - by pressure check and visual inspection, no faults found, next Due: Tach: 1253.5... (8) timed magnetos @ 25dg. END

TOTAL T

I certify that this Engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in airworthy DATE: 23 July, 2020

SIGNED:

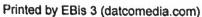
Work Order: 2390-07-2020

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PREVIOU

TO SINC_

Chris Lund, A&P: 3127640



MAINTENANCE RECORD 6 DATE 02 October, 2020 Advantage Aviation, Inc. it is state of the Demotors 10-360-M1A A/C TSN 1209 8 ENG TT 1209 8 ENGINE S/N. L-31929-51A REG. NO: N139PS 1903 Embarcadero Road Palo Allo, CA 94303 USA ISMOR WORK ORDER 2543-10-2020 Phone: 650-494-6946 (Hangar) TACH 1209 8 LICENCE ENTRIE NUMBER **Engine Entries** (2) Completed 50 Hour service - ENGINE. Drained oil, took oil sample for analysis by Blackstone. Removed and replaced oil filter with p/n CH48110-1. Examined old oil filter element, no contamination found. Serviced engine with 8 quarts AeroSheil 15W50 oil Removed bottom spark plugs, inspected, cleaned, checked / adjusted gap, and tested. Rotated and re-installed using new gaskets Ground ran engine, leak and opsicheck good. No leaks or defects noted. Returned to service... (3) C/W AD2015-19-07 - Fuel Injection Lines - by pressure check and visual inspection, no faults or fuel leaks found, next due @ 1309 8 hrs - END Legitify this ENGINE is approved for RETURN TO SERVICE only for the work performed and stated in this management. Tenance entry DATE: 02 October, 2020 SIGNED: Work Order, 2543-10-2020 Chris Lund, A&P 3127640 Printed by EBis 3 (datcomedia.com) -DATE: 03 December, 2020 ENGINE MODEL: Lycoming Advantage Aviation, Inc. A/C TSN: 1263.8 10-360-M1A ENG TT: 1263.8 TSMOH: 1903 Embarcadero Road ENGINE S/N: L-31929-51A Palo Alto, CA 94303 USA REG NO N139PS TACH: 1263.8 Pnone: 650-494-6946 (Hangar) WORK ORDER: 2653-11-2020 **Engine Entries** (2) Completed 100 Hour Inspection. Compression results: #1-70/80, #2-77/80, #3-75/80, #4-73/80. Drained oil, took oil sample for analysis by Blackstone. Removed and replaced the oil filter with a new, p/n CH48110-1, examined old element - no defects noted. Serviced engine with 8 qts of Aeroshell 15W50. Cleaned, inspected, gapped, tested spark plugs. Rotated and re-installed. Verified magneto timing.... (4) C/W AD2015-19-07 - Fuel Injection Lines - by pressure check and visual inspection, no faults found, next Due: Tach: 1363.7... (7) Found muffler brace cracked in two places. Replaced with new P/N D41-7806-20-01 brace and D41-7806-20-02 bracket.... (8) Found engine had rich stumble. Leaned by three notches on throttle body. Engine run and leak check, no leaks or faults found. -END I certify that this Engine has been inspected in accordance with FAR 43 Appendix D (Annual Insp) and has been determined to be in airworthy condition. Work Order: 2653-11-2020 SIGNED: DATE: 03 December, 2020 Printed by EBis 3 (datcomedia.com) Bill Mercer, A&P: 3804885 ENGINE MODEL: Lycoming DATE: 25 February, 2021 Advantage Aviation, Inc. 10-360-M1A A/C TSN: 1311.6 ENGINE S/N: L-31929-51A 1903 Embarcadero Road ENG TT: 1311.6 TSMOH: Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar) WORK ORDER: 2784-02-2021 TACH: 1311.6 **Engine Entries** (2) Completed Annual Inspection - ENGINE. Compression results: #1-72/80, #2-78/80, #3-75/80, #4-74/80. Drained oil, took oil sample for analysis by Blackstone. Removed and replaced the oil filter with a new, p/n CH48110-1, examined old element - no contamination found. Serviced engine with 8 qts of Aeroshell 15W50. Removed spark plugs, inspected, cleaned, gapped, and tested. Replaced one plug withy new REM38E. Rotated and re-installed using new gaskets. Verified magneto timing. Note: magneto 500 hour inspection due @ 1555.4 hrs tach.... (4) Replaced damaged oil drain back tubes, cylinders 2 & 4, with p/n's 68760 and 62761. Verified that new tubes clear of baffling and baffle spring, wrapped tubes in spiral wrap.... (5) C/W AD2015-19-07 - Fuel Injection Lines - by pressure check and visual inspection, no faults found, next due @ 1411.6 hrs tach. Post inspection ground engine run leak and ops check - good, no leaks or faults noted. - END I certify that this Engine has been inspected in accordance with FAR 43 Appendix D (Annual Insp) and has been determined to be in airworthy condition. DATE: 25 February, 2021 SIGNED: Work Order: 2784-02-2021 Jim Allen, IA 569294160 Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: Lycoming Advantage Aviation, Inc.

1903 Embarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar) DATE: 16 March, 2021 A/C TSN: 1329.4 ENG TT: 1329.4 TSMOH: TACH: 1329.4

Engine Entries

ENGINE S/N: L-31929-51A **REG. NO: N139PS**

WORK ORDER: 2871-03-2021

(1) C/W Lycoming MSB-612 Replace Oil Level Gage by removing the current oil dipstick and replacing it with the correct p/n'ed oil dipstick LW-14760 using a new o-ring p/n 74068. Ops check good. - END

I certify this ENGINE is approved for RETURN TO SERVICE only for the work performed and stated in this maintenance entry.

DATE: 16 March, 2021

Work Order: 2871-03-2021

Chuck Harvie, A&P: 3517275

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: Lyco	oming Advan	ntage Aviati	ion Inc		09 April, 2021 TSN: 1365.5	ND
IO-360-M1A ENGINE S/N: L-31929 REG. NO: N139PS	-51A 1903 Em Palo Alto	barcadero Road , CA 94303 USA 50-494-6946 (Hi		EN	IG TT: 1365.5 TSMOH: TACH: 1365.5	,
WORK ORDER: 2920-	.04-2021 Phone. 0	30-494-0540 (11)	arigar)			RED FOR COMP
noted. Installed new bottom spark plugs,	r CH48110-1 oil til rotated and reins o defects noted at	iter and safette stalled sparkplu this time. All v	an with now analysts. Perform	noved and inspected filter element - No of Aeroshell 15W50 oil. Cleaned, gapped and ed engine ground run and leak check. Oil d IAW an in house checklist (3) C/W 1465.5 hrs END		
			E only for the work performed and			
DATE: 09 April, 202	21 SIGI	NED:		Work Order: 29	20-04-2021	
	Bill N	Nercer, A&P: 380	4885	Printed by EBis 3 (datcor	media.com)	
	CIVONAL INODES	Lyconmig	Orchardt 71 Jawker	Advantage Aviation, Inc.		A/C TSN: 1421.8
	10-360-M1A ENGINE S/N: L- REG. NO: N139	31929-51A PS	Architali Control	1903 Embarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar)		ENG TT: 1421.8 TSMOH: TACH: 1421.8
	WORK ORDER:	-1				
	(2) Completed analysis by Bla Serviced enging magneto timing check and vis	100 Hour Inspackstone. Remne with 8 qts one. Engine runual inspection,	f Aeroshell 15W50. Cleaned, ir and leak check, no leaks or fat no faults found, next Due: Tac		otated and re-in el Injection Line	stalled. Verified es - by pressure
	I certify that this	Engine has beer	n inspected in accordance with FAR	43 Appendix D (100 Hour Inspection) and has	been determined	to be in airworthy
	condition	- 0004	CICNED:	25	Work O	order: 3060-06-2021
	DATE: 15 Jur	ne, 2021	SIGNED: Don Ganschow, A&P: 383022	5 Pi	rinted by EBis	3 (datcomedia.com)
	1		Doll Gallscriow, Adr : 000022			
ENG	THE WOLL LYCOR	ning Advant	200 Aviotion Inc			
	160-M1A	1000 5-1	age Aviation, Inc.		DATE 09 Se	ptember, 2021
	SINE S/N: 1-31929.4	34 A 1903 Emb	arcadero Pond		A/C	TCN: 4474 4
REG	SINE S/N: L-31929-9 S. NO: N139PS	Palo Alto.	arcadero Road CA 94303 USA		A/C	C TSN: 1471.4
WOI	S. NO: N139PS RK ORDER:	Palo Alto.	arcadero Road CA 94303 USA 0-494-6946 (Hangar)		A/C EN	C TSN: 1471.4 NG TT: 1471.4 TSMOH:
WOI 3229	5. NO: N139PS RK ORDER: 9-09-2021	Palo Alto.	CA 94303 USA		A/C EN	C TSN: 1471.4 NG TT: 1471.4
## REG WOI 3229 Eng	6: NO: N139PS RK ORDER: 9-09-2021 gine Entries	Palo Alto, Phone: 65	CA 94303 USA 0-494-6946 (Hangar)		A/O EN	C TSN: 1471.4 NG TT: 1471.4 TSMOH: TACH: 1471.4
Eng	6: NO: N139PS RK ORDER: 9-09-2021 gine Entries Completed a 50 Head Installed new (Palo Alto, Phone: 65	CA 94303 USA 0-494-6946 (Hangar) //Service: Drained oil, retrieved	oil sample, removed and inspected filter	A/C EN	C TSN: 1471.4 NG TT: 1471.4 TSMOH: TACH: 1471.4
Eng	S. NO: N139PS RK ORDER: 9-09-2021 gine Entries Completed a 50 H ed. Installed new (Palo Alto, Phone: 65 Hour Inspection CH48110-1 oil	CA 94303 USA 0-494-6946 (Hangar) //Service: Drained oil, retrieved filter and safetied. Filled engine	oil sample, removed and inspected filter with 8 qts. of Aeroshell 15W50 oil. Clear	A/C EN	C TSN: 1471.4 NG TT: 1471.4 TSMOH: TACH: 1471.4
Eng	S. NO: N139PS RK ORDER: 9-09-2021 gine Entries Completed a 50 H ed. Installed new (Palo Alto, Phone: 65 Hour Inspection CH48110-1 oil	CA 94303 USA 0-494-6946 (Hangar) //Service: Drained oil, retrieved filter and safetied. Filled engine	The state of the s	A/C EN	C TSN: 1471.4 NG TT: 1471.4 TSMOH: TACH: 1471.4
Eng (2) (note bott leak foun	G. NO: N139PS RK ORDER: 9-09-2021 gine Entries Completed a 50 H ed. Installed new (om spark plugs, r c check good. No nd, next due: 1571	Palo Alto, Phone: 65 Hour Inspection CH48110-1 oil otated and reir defects noted and the control of the control	CA 94303 USA 0-494-6946 (Hangar) //Service: Drained oil, retrieved filter and safetied. Filled engine stalled sparkplugs with new gat this time END (3) C/W AD	iskets. Performed engine ground run and 02015-19-07 Fuel Injection Line Inspectio	r element - No oned, gapped ar leak check. Of on, no leaks or o	C TSN: 1471.4 NG TT: 1471.4 TSMOH: TACH: 1471.4
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Eng (2) (note bott leak foun	G. NO: N139PS RK ORDER: 9-09-2021 gine Entries Completed a 50 H ed. Installed new (om spark plugs, r c check good. No nd, next due: 1571 tify this ENGINE is a E: 09 September ENGINE MODEI 10-360-M1A ENGINE S/N: L- REG. NO: N139	Palo Alto, Phone: 65 Hour Inspection CH48110-1 oil otated and reir defects noted a 1.4 hrs END approved for RET C, 2021 Signor Don L: Lycoming	CA 94303 USA 0-494-6946 (Hangar) J/Service: Drained oil, retrieved filter and safetied. Filled engine istalled sparkplugs with new gath this time END (3) C/W ADDITION TO SERVICE only for the work GNED: GANSCHOW, A&P: 3830225	pskets. Performed engine ground run and D2015-19-07 Fuel Injection Line Inspection k performed and stated in this maintenance enterprinted by Advantage Aviation, Inc. 1903 Embarcadero Road	element - No oned, gapped ar leak check. Of one, no leaks or one. Vork Order: 322 EBis 3 (datcor	C TSN: 1471.4 NG TT: 1471.4 TSMOH: TACH: 1471.4 defects nd tested PS and defects 29-09-2021 media.com) TE: 01 January, 2022 A/C TSN: 1514.2
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Eng (2) (note bott leak foun	G. NO: N139PS RK ORDER: 9-09-2021 gine Entries Completed a 50 Hed. Installed new (om spark plugs, racheck good. No and, next due: 1571 tify this ENGINE is a E: 09 September ENGINE MODEI IO-360-M1A ENGINE S/N: L-REG. NO: N139 WORK ORDER: Engine Entr	Palo Alto, Phone: 65 Hour Inspection CH48110-1 oil otated and reir defects noted at 1.4 hrs END approved for RET C., 2021 SIG Done CH2829-51A PS 3446-12-2021	CA 94303 USA 0-494-6946 (Hangar) //Service: Drained oil, retrieved filter and safetied. Filled engine istalled sparkplugs with new gath this time END (3) C/W AD TURN TO SERVICE only for the work of GNED: Ganschow, A&P: 3830225	Advantage Aviation, Inc. 1903 Embarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar)	r element - No oned, gapped ar leak check. Of one, no leaks or one. Vork Order: 322 EBis 3 (datcor	C TSN: 1471.4 NG TT: 1471.4 TSMOH: TACH: 1471.4 defects nd tested PS and defects 29-09-2021 media.com) TE: 01 January, 2022 A/C TSN: 1514.2 ENG TT: 1514.2 TSMOH: TACH: 1514.2
Eng (2) (note bott leak foun	G. NO: N139PS RK ORDER: 9-09-2021 gine Entries Completed a 50 H ed. Installed new (om spark plugs, r c check good. No nd, next due: 1571 tify this ENGINE is a E: 09 September ENGINE MODEI 10-360-M1A ENGINE S/N: L- REG. NO: N1391 WORK ORDER: Engine Entr	Palo Alto, Phone: 65 Hour Inspection CH48110-1 oil otated and reir defects noted: 1.4 hrs END approved for RET C, 2021 SIC Done CL: Lycoming 31929-51A PS 3446-12-2021	CA 94303 USA 0-494-6946 (Hangar) //Service: Drained oil, retrieved filter and safetied. Filled engine istalled sparkplugs with new gath this time END (3) C/W ADDITION TO SERVICE only for the world GNED: O Ganschow, A&P: 3830225	Advantage Aviation, Inc. 1903 Embarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar)	element - No oned, gapped ar leak check. Of one, no leaks or of the control of th	Z TSN: 1471.4 NG TT: 1471.4 TSMOH: TACH: 1471.4 defects nd tested PS and defects 29-09-2021 media.com) TE: 01 January, 2022 A/C TSN: 1514.2 ENG TT: 1514.2 TSMOH: TACH: 1514.2
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Advantage Aviation, Inc.

1903 Embarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar) DATE: 26 March, 2022 A/C TSN: 1567.4 ENG TT: 1567.4 TSMOH TACH: 1567.4

7

LICENCE

NUMBER

Engine Entries

(2) Completed a 50 Hour Inspection/Service: Drained oil, took oil sample for analysis by Blackstone. Removed and inspected oil filter element - no defects noted. Installed new CH48110-1 oil filter and safetied. Serviced engine with 8 qts. of Aeroshell 15W50 oil. Cleaned, gapped and tested bottom spark plugs, rotated and reinstalled with new gaskets.... (3) Replaced right magneto with new model 4370. Performed magneto 500 hr inspection on left mag, replaced points M3637 and brushes K3215, and M3827 rotor gear. For both the left and right magnetos the 500 hr magneto inspection will be due @ 2067.4 hrs. Magnetos installed using new gaskets p/n LW12681.... (4) Pilot reported lag in throttle response - removed exhaust to gain access, repositioned and secured throttle cable mounting, problem corrected, reinstalled exhaust with new gaskets p/n 77611.... (5) C/W AD2015-19-07 Fuel Injection Line Inspection, no fuel leaks or defects found, next due @ 1667.4 hrs. Performed engine ground run and leak check - operational check and leak check good. No defects noted at this time. All work and inspections completed IAW an in house checklist. - END

I certify this ENGINE is approved for RETURN TO SERVICE only for the work performed and stated in this maintenance entry.

DATE: 26 March, 2022

SIGNED:

Work Order: 3624-03-2022

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: Lycoming 10-360-M1A ENGINE S/N: L-31929-51A REG. NO: N139PS WORK ORDER: 3705-05-2022



Jim Allen A&P: 559294160

Advantage Aviation, Inc.

1903 Embarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar) DATE: 13 May, 2022 A/C TSN: 1630.4 ENG TT: 1630.4 TSMOH: TACH: 1630.4

Engine Entries

(2) Completed 100 Hour Inspection. Compression results: #1-75/80, #2-77/80, #3-76/80, #4-77/80. Drained oil, took oil sample for analysis by Blackstone. Removed and replaced the oil filter with a new, Tempest p/n AA48110-2, examined old element - no defects noted. Serviced engine with 8 qts of Aeroshell 15W50. Cleaned, inspected, gapped, tested spark plugs. Rotated and re-installed. Verified magneto timing. Engine run and leak check, no leaks or faults found.... (4) C/W AD2015-19-07 - Fuel Injection Lines - by pressure check and visual inspection, no faults found, next Due: Tach: 1730.4 - END

I certify that this Engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in airworthy condition

DATE: 13 May, 2022

SIGNED:

Work Order: 3705-05-2022

John Reed, A&P: 2766865

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: Lycoming IO-360-M1A ENGINE S/N: L-31929-51A REG. NO: N139PS WORK ORDER: 3772-06-2022



Advantage Aviation, Inc.

1903 Embarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar) DATE: 10 June, 2022 A/C TSN: 1678.6 ENG TT: 1678.6 TSMOH: TACH: 1678.6

Engine Entries

(2) Completed a 50 Hour Inspection/Service: Drained oil, retrieved oil sample, removed and inspected filter element - No defects noted. Installed new Tempest AA48110-2 oil filter and safetied. Filled engine with 8 qts. of Aeroshell 15W50 oil. Cleaned, gapped and tested bottom spark plugs, rotated and reinstalled sparkplugs with new gaskets. Performed engine ground run and leak check. Ops and leak check good. No defects noted at this time. All work and inspections completed IAW an in house checklist.... (3) C/W AD2015-19-07 Fuel Injection Line Inspection, no leaks or defects found, next due: 1778.0 hrs.... (4) Replaced four worm spark plugs with new Champion P/N REM38E. - END.

I certify this ENGINE is approved for RETURN TO SERVICE only for the work performed and stated in this maintenance entry.

DATE: 10 June, 2022

SIGNED:

John Reed, A&P: 2766865

Work Order: 3772-06-2022

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ENGINE MODEL: Eyeoming IO-360-M1A ENGINE S/N: L-31929-51A REG. NO: N139PS WORK ORDER: 3845-07-2022



Advantage Aviation, Inc.

1903 Einbarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar) DATE: 27 July, 2022 A/C TSN: 1736.1 ENG TT: 1736,1 TSMOH: TACH: 1736.1

Engine Entries

(2) Completed 100 Hour Inspection. Compression results: #1-77/80, #2-77/80, #3-77/80, #4-77/80. Drained oil, retrieved oil sample for analysis by Blackstone. Removed and replaced the oil filter with a new Tempest p/n: AA48110-2, examined old element - no defects noted. Serviced engine with 8 quarts of Aeroshell 15W50. Cleaned, inspected, gapped, tested spark plugs. Rotated and re-installed. Verified magneto timing.... (4) C/W AD2015-19-07 - Fuel Injection Lines - by pressure check and visual inspection, no faults found, next due @ 1836.1 hrs tach.... (5) Replaced two worn spark plugs with new Champion P/N REM38E. - END

I certify that this Engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in airworthy condition

DATE: 27 July, 2022

SIGNED:

Work Order. 3845-07-2022

ENGINE SERVICE AND

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: Lycoming 10-360-M1A ENGINE S/N: L-31929-51A REG. NO: N139PS WORK ORDER: 3936-09-20	100 to 44 to 4	Advantage Aviation, Inc. 1903 Embarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar)	DATE: 23 September, 2022 A/C TSN: 1785.9 ENG TT: 1785.9 TSMOH: TACH: 1785.9	RED FOR COMPLE
Engine Entries (2) Completed a 50 Hounded. Installed new CH spark plugs, rotated and	r Inspection/Service: Drained of 48110-1 oil filter and safetied. F I reinstalled sparkplugs with new	oil, retrieved oil sample, removed and inspecte filled engine with 8 qts. of Aeroshell 15W50 oi w gaskets. Performed engine ground run and I inspections completed IAW in house checklis d, next due: 1885.9 hrs END	ed filter element - No defects I. Cleaned, gapped and tested Ieak check. OPS and leak St (3) C/W AD2015-19-07	
End blection line mans	Cilon, no rearre	nly for the work performed and stated in this maintena		
I certify this ENGINE is app	roved for RETURN TO SERVICE OF	~	Work Order: 3936-09-2022	
DATE: 23 September, 2	8022 SIGNED: Bill Mercer, A&P: 380488	5 Pri	nted by EBis 3 (datcomedia.com)	
	Bill Mercel, Adr. 500400			
ENGINE MODEL: Lycoming 10-360-M1A ENGINE S/N: L-31929-51A REG. NO: N139PS	- Anthon protects:	Advantage Aviation, Inc. 1903 Embarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar)	DATE: 07 December, 2022 A/C TSN: 1847 ENG TT: 1847 TSMOH: TACH: 1847	
the oil filter with a new, 15W50. Cleaned, inspecheck, no leaks or fault	Inspection - ENGINE Commin satisfactory condition. Draitempest p/n AA48110-2, examinated, gapped, tested spark plugs found (4) C/W AD2015-19-7.0 hrs tach END.	pression results: #1-76/80, #2-78/80, #3-76/80 ined oil, took oil sample for analysis by Blackst ined old element - no defects noted. Serviced of gs. Rotated and re-installed. Verified magneto 07 - Fuel Injection Lines - by pressure check a	timing. Engine run and leak and visual inspection, no faults	
Legrify that this Engine ha	s been inspected in accordance with	FAR 43 Appendix D (Annual Insp) and has been det	ermined to be in airworthy condition.	
DATE: 07 December, 2		L & roce	Work Order: 4059-12-2022 inted by EBis 3 (datcomedia.com)	
			DATE: 24 February, 2023	
ENGINE MODEL: Lycoming 0-360-M1A ENGINE S/N: L-31929-51A REG. NO. N139PS NORK ORDER: 4174-02-20	THE REPORT DESCRIPTION	Advantage Aviation, Inc. 1903 Embarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar)	A/C TSN: 1890.6 ENG TT: 1890.6 TSMOH: TACH: 1890.6	
noted. Installed new Ten and tested bottom spark OPS and leak check go AD2015-19-07 Fuel Inje	npest AA48110-2 oil filler and signified significations and reinstalled sood. No defects noted at this time action Line Inspection, no leaks	oil, retrieved oil sample, removed and inspecte afetied. Filled engine with 8 qts. of Aeroshell 1 sparkplugs with new gaskets. Performed engire. All work and inspections completed IAW an or defects found, next due: 1990.6 hrs ENI	ne ground run and leak check. in house checklist (3) C/W	
I certify this ENGINE is app	roved for RETURN TO SERVICE on	or the work performed and stated in this maintens		
DATE: 24 February, 20:		fl- B. Reel	Work Order: 4174-02-2023	
	John Reed, A&P: 276686	5 Pil	nted by EBis 3 (datcomedia.com)	
	ENGINE MODEL: Lycoming 10-360-M1A ENGINE S/N: L-31929-51A REG. NO: N139PS WORK ORDER: 4388-07-2023	1903 Ember Palo Alto, 6	age Aviation, Inc. arcadero Road CA 94303 USA 0-494-6946 (Hangar)	DATE: 03 July, 2023 A/C TSN: 1955.6 ENG TT: 1955.6 TSMOH
	Engine Entries			TACH: 1955.6
	contamination noted. Serviced tested. Rotated and re-installed left and right mags to 25 degrinspection, no defects or fuel	ection. Compression results: #1-75/80, #2-76/ oved and replaced the oil filter with a new Tem d engine with 8 qts of Aeroshell 15W50. Reme ed using new gaskets, p/n M674 (4) Checke ees BTDC (5) C/W AD2015-19-07 - Fuel In leaks noted, AD next due @ 2055.6 hours. Po lled engine cowling. Return to service END	pest filter, p/n AA48110-2, examined oved spark plugs, inspected, cleaned ad magneto to engine timing, found of jection Lines - by fuel pressure chec	l old element - no il, set gap, and out of spec, adjusted
AL THIS PAGE		Inspected in accordance with FAR 43 Appendix D (1)	00 Heur Inspection) and has been determ	ined to be in airworthy
OTAL FROM VIOUS SUMMARY	DATE: 03 July, 2023	SIGNED: A P.		

TOTAL SINCE MFG.

WORK ORDER: 4169 AIRCRAFT: N139PS TACH: 1986.8 MODEL: Lycoming IO-360-M1A S/N: L-31929-51A Completed 50 hour inspection and servicing referencing Absolute Aero 50 hour Removed and replaced oil filter with new (P/N: AA48110-2). Examined old oil filler Serviced engine with 7 quarts of Aeroshell 15W50 oil. Cleaned, gapped and tesplugs with new (3EA P/N: UREM38E). Rotated and re-installed spark plugs with washed engine. Ground ran engine, leak and ops check good. All work comple	sted spark plugs. Replaced three spark	
MODEL: Lycoming IO-360-M1A S/N: L-31929-51A Completed 50 hour inspection and servicing referencing Absolute Aero 50 hour Removed and replaced oil filter with new (P/N: AA48110-2). Examined old oil filter Serviced engine with 7 quarts of Aeroshell 15W50 oil. Cleaned, gapped and teaplugs with new (3EA P/N: UREM38E). Rotated and re-installed spark plugs with washed engine. Ground ran engine, leak and ops check good. All work comple	checklist. Drained and sampled oil. Iter element, no contaminants found. Sted spark plugs. Replaced three spark	
Completed 50 hour inspection and servicing referencing Absolute Aero 50 hour Removed and replaced oil filter with new (P/N: AA48110-2). Examined old oil fi Serviced engine with 7 quarts of Aeroshell 15W50 oil. Cleaned, gapped and test plugs with new (3EA P/N: UREM38E). Rotated and re-installed spark plugs with washed engine. Ground ran engine, leak and ops check good. All work comple	sted spark plugs. Replaced three spark	
Serviced engine with 7 quarts of Aeroshell 15W50 oil. Cleaned, gapped and test plugs with new (3EA P/N: UREM38E). Rotated and re-installed spark plugs with washed engine. Ground ran engine, leak and ops check good. All work complete washed engine.	sted spark bluds. Replaced tillee spark	
and Lycoming Maintenance Manuals. –END	ted in accordance with the Diamond DA 40	
This engine is approved for return to service, for only the work performed	l	$\dashv T$
Brandon Thompson A&P 3212565		
bottom spark plugs, rotated and reinstalled sparkplugs with new gaskets. Performed engine	A/C TSN: 1998.2 ENG TT: 1998.2 TSMOH: TACH: 1998.2 filter element - No defects N/50 oil. Cleaned, gapped ground run and leak check.	
9-07 Fuel Injection Line Inspection, no leaks of defects the		
ENGINE is approved for RETURN TO SERVICE only for the work performed and stated in this maintenance	e entry.	
September, 2023 SIGNED:		
Bill Mercer, A&P: 3804885	ed by EBis 3 (datcomedia.com)	
Model: Lycoming IO-360-M1A S/N: L-31929 Engine Entry	-51A	
break-in mineral oil. Checked exhaust system, intake system, flexible and solitine mounts. C/W AD 2016–19-07 fuel injector lines, by inspection. No defect	d hoses, engine controls, baffles, and cts noted END	
ertify that this engine has been inspected in accordance with FAR 43 Appe on determined to be in an airworthy condition.	andix D (Annual Inspection) and has	
holas Dheedene A&P/IA 4083839		
	Advantage Aviation, Inc. 1903 Embarcadero Road Palo Alto, CA 94303 USA Phone: 650-494-6946 (Hangar) Intries Interest and so Hour Inspection/Service: Drained oil, retrieved oil sample, removed and inspected salled new Tempest AA48110-2 oil filter and safetied. Filled engine with 8 qts. of Aeroshell 156 bottom spark plugs, rotated and reinstalled sparkplugs with new gaskets. Performed engine park check good. No defects noted at this time. All work and inspections completed IAW an in 2007 Fuel Injection Line Inspection, no leaks or defects found, next due: 2098.2 hrs END ENGINE is approved for RETURN TO SERVICE only for the work performed and stated in this maintenance. September, 2023 SIGNED: Bill Mercer, A&P: 3804885 Print Model: Lycoming IO-360-M1A S/N: L-31929. Engine Entry Dreak-in mineral oil. Checked exhaust system, intake system, flexible and soli intered mounts. C/W AD 2016-19-07 fuel injector lines, by inspection. No deferment of the time and an airworthy condition.	DEL: Lycoming Occinit Advantage Aviation, Inc. DATE: 12 September, 2023 AC TSN. 1998 2 ENG TT: 1998 2 TSMOH. 1993 Embarcadero Road Palo Alto. CA 94303 USA Phone: 550-494-6946 (Hangar) TACH: 1998 2 Phone: 550-494-6946 (Hangar) TACH: 1998 2 Phone: 550-494-6946 (Hangar) TACH: 1998 2 TACH: 1998 2 Phone: 550-494-6946 (Hangar)