



The Standard

AIRCRAFT LOG

ASA-SA-2

Aircraft Record General Information

Manufacturer HERRON ALE

Model RV-7A

Serial 71027

Registration Number N401MT

Date of Manufacture _____

Engine(s) currently installed:

Manufacturer Teledyne Mathtuck

Model TMX IO-360

Serial CT-505

Manufacturer ~~MT Propeller~~

Model ~~MTV-15-B/183-402~~

Serial ~~06225~~

Propeller(s) currently installed:

Manufacturer MT Propeller

Model MTV-15-B/183-402

HUB Model _____

Serial 06225

Serial _____

Blade Model _____

Serial _____

Serial _____

Serial _____

Blade Model _____

Serial _____

Serial _____

Serial _____

YEAR 20 09 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3-27	0.3		0	I certify this aircraft has been inspected in accordance with the scope and detail of Appendix D to Part 43 and has been found to be in a condition for safe operation. AL HERRON <i>ALH</i> 3/27/09 PSEL 596-76716
3-27			0	I FIND THAT THE AIRCRAFT MEETS THE REQUIREMENTS FOR THE REQUESTED CERTIFICATE AND HAVE ISSUED A SPECIAL AIRWORTHINESS CERTIFICATE DATED 3-27-2009. THE NEXT INSPECTION IS DUE 3-27-2010. <i>Dan R McHale</i> PART 710617 WP
7-4	42.5		42.2	I certify that the prescribed test hours (flight test) have been completed and the A/C is controllable throughout its normal range of speeds and throughout all maneuvers to be executed no hazardous operating characteristics or design features were detected, and (cont'd)

YEAR 20 09 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2-4 (cont'd)				safe for operation. The following nominal aircraft operating data have been demonstrated during the flight testing (see POH for complete operational data): Speed V_{SO} : 50 KIAS Speed V_X : 70 KIAS Speed V_Y : 80 KIAS Test Weight : 1619 Test CG : 84.0 ADHeman, Repairman EAB 3410607 owner/builder PSEL546067616
10-15	58.6		58.3	Replaced Com #2 (lower) antenna with new Comant C122 unit. Added chucker plate to belly skin. Weight & balance change negligible. ADHeman, Repairman EAB 3410607, owner/builder

YEAR 2009 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12-27	63.3		63.3	Relocated oil cooler from RH fire wall to LH aft cylinder battle wall. Added doubler plate to battle wall, relocated oil lines, and leak checked. Wt/balance change negligible. AL Herron, Repairman EAB 3410607, CWAR/Suiber
5-8-2010	85.5		85.5	Annual condition inspection. EAS 55 08-1 complied with (see engine log). I certify that this aircraft has been inspected on 5-8-2010 in accordance with the scope and detail of Appendix D of Part 43, and was found to be in condition for safe operation. AL HERRON AL Herron Repairman EAB 3410607
5-23-10				Replaced Bosch Alternator w/ NAPA CCA 7127-1W ("GM one-wire"). Removed propeller and replaced alt. belt w/ 7365 Gates equiv. (Gates 15371). Replaced prop 1 torqued nuts to 70 ft-lbs (MC) ^{AL HERRON} EAB 3410607 AL Herron

YEAR 20 <u>10</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-23	115.9			Replaced NAPA CCA 7127-1W alternator w/ new unit. Removed/reinstalled propeller, torqued to 70 ft-lbs per mfg specs. Al Heaton EATS 3910607 <i>Al Heaton</i>
10-15-10	139.7			Executive AutoPilots, Inc. 5839 Freeport Blvd. Sacramento, CA 95822-3604 REG: 401MT S/N: 71027 HOBBS: 139.7 DATE: 10/15/10 TRANSPONDER CERT: I certify that the Transponder was tested per FAR 91.413 and found to comply with FAR 43, Appendix F. Transponder Model: KT 76A SN: 1835 W.O. 9976  By: _____ Daniel R. Casey CRS# E5VR306N

YEAR 20 10 DATE 12-5	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12-5	140.9			Removed oil cooler & trimmed additional material to stop interference that was abrading engine mount tube, Fabricated attachment adapter & reinstalled oil cooler, checked for leaks. Also changed oil & filter (see engine log) AL HERRON EATS 340607
5-29-11	158.6			Annual Condition Inspection. ECI SB 08-1 complied with (see engine log), I certify this aircraft inspected in accordance with scope and detail of FAR Part 43, Appendix D, and found to be in condition for safe operation. AL HERRON, Repairman EATS 3410607 5-29-11 ALHerron

YEAR 20 <u>12</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1-8-12	178.5		178.5	Installed Btc 50-8 alternator on unused vacuum pad. Re-calculated wt & balance to add 2.5 lbs at Datum - 52 in (2.9 lb alternator minus 0.4 lb wiring removed). Split power supply to ignition modules between main battery & auxiliary battery. Installed new battery voltage regulator for new alternator (~1.5 lbs at firewall). Installed dual voltage monitors, for one for each electrical system. Reworked wiring A/R. AL HERRON, Repairman EAS 3410607 1-8-12 <u>McNair</u>
5-7-2012	189.2		189.2	Annual condition inspection. ECI 3B08-1 installed with slow (weeping) leak, 2 locations, in RH fuel tank repaired (fuel tank R4R). I certify this aircraft inspected in accordance with scope & detail of FAR Part 43, App. D, and found to be in condition for safe operation. AL HERRON, Repairman EAS 3410607 5-7-2012 <u>McNair</u>

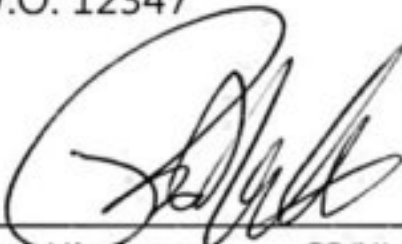
YEAR 2012 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8-29	223.7		223.7	Van's Aircraft SB-12-08-14 complied with Top portion of wing root fairings detached & visual inspection performed for presence of all wing attach bolts AN4-15A securing F-7096 vertical bars. All bolts installed. AL HERRON, Repairman EAB 3710607 8-29-2012 <i>AL HERRON</i>
1/20/13	235.7		235.7	Precision Static Testing Livermore, CA FAA Certified Repair Station #QJAR856X PHONE: (925) 449-5904 FAX (925) 449-6081 I certify that transponder tests, including data correspondence, required by § 91.413, have been performed & found to comply with 14 CFR Part 43, Appendices E & F. Time: <u>235.7</u> W/O# <u>8983</u> N <u>401MT</u> Inspected by <u><i>[Signature]</i></u> Date <u>1/20/13</u>
Next due 1/15				

YEAR 20 <u>13</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4-14	245.2		245.2	Replaced electronic manifold pressure gauge w/ new mechanical type gauge. Change to wt & balance negligible. Replaced O-rings on parking brake valve outlet fittings. Recharged and bled brake system.
4-14	245.2		245.2	Annual Condition Inspection. ECI SB08-1 complied with. I certify this aircraft inspected IAW scope & detail of FAR Part 43, Appx D, and found to be in condition for safe operation. A1 Herron, Repairman EAB 3910607 4-14-13 AHerron
2-14-15	340.2		340.2	Annual condition inspection. Following SCS complied with per _____ entered in error

YEAR 20 / 4 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5/11	293.6		293.6	Annual Condition Inspection. ECI S/B 08-1 & FNA AD 2009-26-12 complied w/ by means of good compression check (78/80 or better, all cylinders). Van's S/B 12-28-14 & 1-31-14 & 2-5 Van's S/Bs 14-01-31 & 14-02-05 complied w/ by means of visual inspection IAW S/Bs. I certify this aircraft inspected IAW scope & detail of FAR Part 43, Appx D, and found to be in a airworthy condition for safe operation. AL HERROD Repairmen EAS 3410607 5-11-14 <i>ALH</i>
5/11	293.6		293.6	Replaced both main tires, cleaned & repacked wheel bearings all wheels. Changed oil & oil filter, inspected filter & oil screen, no significant debris found. Replaced anti-chafe strips on both flap assemblies. Replaced aux battery & checked for charging. Damaged autopilot aileron servo connector repaired by factory, R/R part <i>AL HERROD R-EA</i>

YEAR 20 15 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2-14	340.2		340.2	Annual condition inspection. Following STBs complied with by inspection per contents of reg. STBs: Van's 19-02-05 & 14-01-31 ECI 08-1 (FAA AD 2009-26-12) Note: recurring ECI SB 08-1 will be continued beyond recommended 350 retirement time for 1 existing Group 3 cylinder by on-condition inspection at concurrence of ECI eng. staff. I certify this aircraft inspected IAW scope & detail of FAR Part 43, Appdx D, and found to be in airworthy condition for safe operation AL HERRON Repairman EAB 3910607 2-14-15 

YEAR 20 <u>15</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2-14	340.2		340.2	changed oil & filter, inspected filter & screens, no adverse findings. cleaned & lubricated all wheel bearings, inspected brakes & rotors. Replaced nose wheel tire & tube, Replaced all spark plugs. cleaned gasolator & fuel filter. Topped off brake fluid reservoir & bled RH brake line, AL HERRON Repairman EAB 3400607 2/14/15 AL Herron
5-22	367.4		367.4	

YEAR 20 <u>15</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5-22	367.4		367.4	VFR transponder cert
				 Executive AutoPilots DEDICATED TO EXCELLENCE 5839 FAIRPORT BLVD. SACRAMENTO, CA 95822
				REG: N401MT SN: 71027 HOBBS: 367.4 DATE: 5/22/15
				Transponder cert:
				I certify that the Transponder was tested per FAR 91.413 and found to comply with FAR 43, Appendix F.
				Transponder Model: KT76A SN 1835
				W.O. 12347
				 Ron Hitchcock CRS# E5VR306N

YEAR 20 <u>16</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
11-26	382.3			Replaced lower (rigid) portion of LH brake line due to chafing & wear. Rept checked brake pads & rotors for wear, within acceptable limits. Replaced/fabricated new Rear LH engine battle plate (cyl #4) due to vibration cracking next to oil cooler. 11-26-16 AL Herron EAB Repairman 3410607
2/1/17	382.8		382.8	Annual Condition Inspection. Following recurring SBs completed IAW respective SB direction: Van's 14-01-31, method: visual insp. Van's 14-02-05, method: visual insp. Van's 16-03-28, method: visual insp. ECI 08-1, method: comp check & visual insp. I certify this aircraft inspected IAW scope detail of FAR 43 Appdx P and found to be in airworthy condition for safe operation. 2-1-17 AL Herron EAB Repairman 3410607

YEAR 20 <u>17</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8/12	104.2		401.2	changed oil &c. Replaced Weldon fuel boost pump w/ rebuilt unit, same model A8163-A
12/28	424.4		424.4	Rebuilt RH brake caliper w/ all new O-rings, new brake pads. Bled hydraulics and tested brake function.
5/29/18	432.5		432.5	Precision Static Testing Livermore, CA FAA Certified Repair Station #QJAR856X PHONE: (925) 449-5904 FAX (925) 449-6081 I certify that transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR Part 43, appendix E and F. Time: <u>432.5</u> W/O# <u>14646</u> N <u>401M15</u> Inspected by <u>[Signature]</u> Date <u>5/29/18</u>

YEAR 2018 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-17-18	432.6		432.6	Condition Inspection. The following recurring service bulletins complied with per respective SB direction: Varis SB 14-02-05, method: visual inspection Varis SB 14-01-31, method: visual insp. Varis SB 16-03-28 method: visual insp. ECL 08-1, method: compression check of visual insp In addition, Varis STB 18-05-21 complied with, method: visual inspection. ECT tested for function and inspected IAW FAR 91.207. I certify this aircraft inspected IAW the scope of detail for FAR 43, Appendix D and found to be in airworthy condition for safe operation. 2-1-17 <i>AL</i> Aeronaut EAS 3910607

YEAR 20 <u>19</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5/29/19				Replaced oil pressure transducer. Replaced fuel pressure transducer. Replaced both main wheel tires. Replaced LH brake pads, seated new pads & checked for proper function. Drained & replaced oil (Acrosol 15W-50). Checked oil screen.
5/30/19				Condition inspection. Following recording S/Bs complied with: Van's SB 14-02-05. Method: visual Van's SB 14-01-31. Method: visual Van's SB 16-03-28. Method: visual Van's SB 18-05-21 Method: visual ECI SB 09-1 Method: compression check & visual ELT & batteries inspected & checked for function per IAW FAR 91.207. I certify the aircraft inspected IAW scope & detail of FAR 13, Appendix D, and found to be in airworthy condition for safe operation 5/30/19 Attention EAB 3910607

YEAR 20 19 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-12-19				Removed Lightspeed ignition module #2 (S/N 33010). Installed new Lightspeed ignition module (S/N 33901) in #2 position. Re-timed ignition & confirmed proper functioning of spark advance for 3900' DA. M. Henson EAB 3410607
8-11-19				Removed existing oil temperature and oil pressure gauges, and corresponding sending units. checked all signal power & ground wires for continuity, resistance & voltage within specs. Replaced all gauges & senders with new units. checked for proper function & accurate readings. M. Henson EAB 3410607

YEAR 20 <u>20</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5-14-20	508.6		508.6	Precision Static Testing Livermore, CA FAA Certified Repair Station #QJAR856X PHONE: (925) 449-5904 FAX (925) 449-6081 I certify that transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR Part 43, Appendix E and F. Time: <u>508.6</u> W/O# <u>17707</u> N <u>401M1</u> Inspected by <u>[Signature]</u> Date <u>5/14/2021</u>
6-28-22	508.6		508.6	<u>Instrument panel upgrade / ADS-B out compliance.</u> <u>Equipment removed:</u> <u>Analog fuel pressure gauge</u> <u>Analog individual fuel gauges for L/R tanks</u> <u>Analog airspeed indicator</u> <u>Analog vertical speed indicator</u> <u>Analog CHT/EGT gauge cluster</u> <u>Analog oil pressure gauge</u> <u>Analog oil temp gauge</u> <u>Fuse block</u> <u>Portions of old panel support system</u> cont'd next p

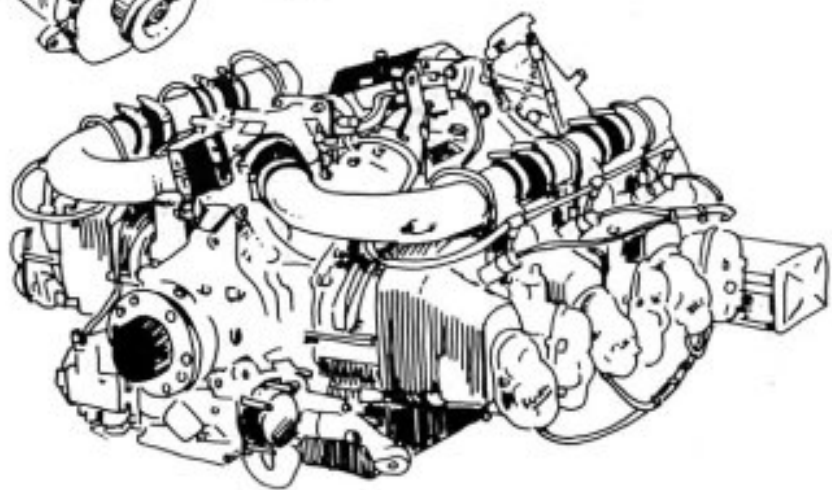
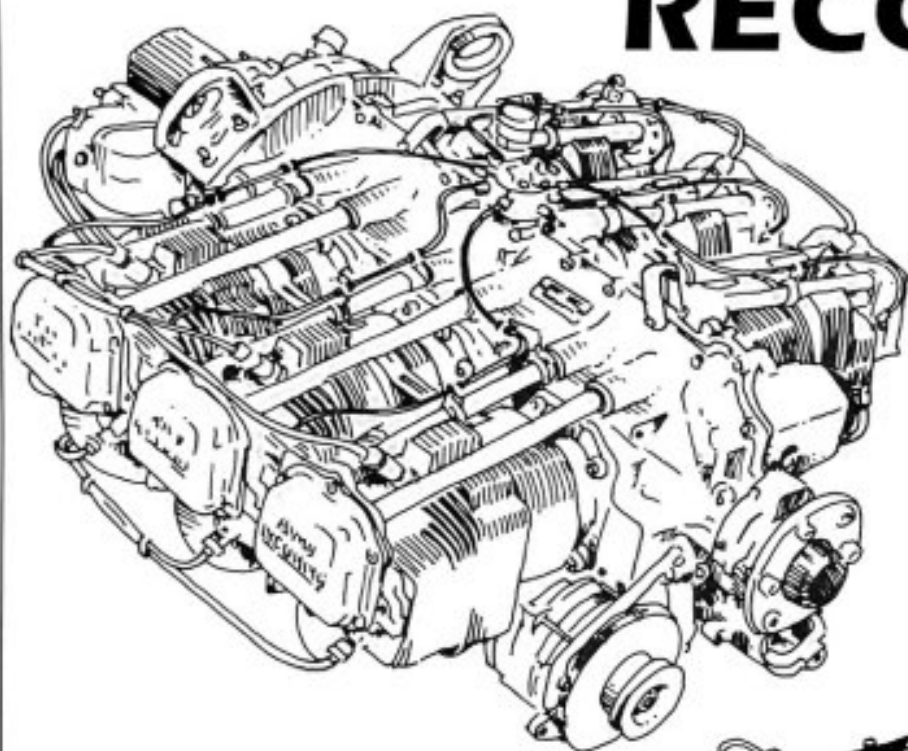
YEAR 20 <u>22</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-8-22	508.6		508.6	continuation previous page Equipment added: Grand Rapids Technologies (GRT) Sport SX EFIS GRT EIS 4000 engine monitor GRT Safe-Fly ADS-B compliant GPS GRT MAP sensor nAvionix Echo UAT New electrical bus(2) & circuit breakers for alternator #1 & #2 Additional structural components as needed to support new panel configuration. Reconfigured instrument panel from original one-piece hinged-down assembly to four separate removable panels. Removed/added components listed above. Modified portions of existing wiring harness to fit new configuration. Removed old panel hinge arms, added cross brace at

YEAR 20 <u>22</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-8-22	508.6		508.6	lower edge of panel assembly to carry vertical & lateral loads from panel into air frame. Replaced old fuse block w/ two separate power buses for alternators #1 & #2. Replaced all fuses w/ pollack circuit breakers. Relocated GRT Horizon HZ EFIS display to right side of panel assy. New GRT Sport SX, slaved to HZ unit, placed in primary (pilot side) display position. All systems set up per GRT documentation. All components ground tested for proper function. Existing com radios #1 & #2, as well as PS Engineering audio panel found to be inoperative. Radios labeled "INOP". Hand-held radio temporarily installed for flight test purposes. New weight & balance data collected and new wt & bal calculations made & added to aircraft records. M. Hume 391067 Repairman EAB

YEAR 20 <u>22</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7/27/22	508.6		508.6	Precision Static Testing Livermore, CA Phone 925-449-5904 FAA Certified Repair Station #QJAR856X I certify that transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR Part 43, Appendix E and F. Time: <u>508.6</u> W/O# <u>21534</u> N <u>401MT</u> Inspected by <u>[Signature]</u> Date <u>7/27/22</u>
7/28/22	508.6		508.6	Annual service/maintenance. Lubricated all control system linkages. Lubricated all control surface hinges & checked for missing safety wire or cotter pins. Greased nose wheel pivot bushing. Replaced failed nylon trim tab actuator clevis (PIN 1032) with all-aluminum version.

YEAR 2022 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8-4-2022	508.6		508.6	Condition inspection, Complied w/ following recurring SBs/ADS: Van's SB 14-02-05 Method: visual. Van's SB 14-01-31 Method: visual Van's SB 16-03-29 Method: visual ECI SB 02-1. Method: comp test & visual FAA AD 2017-16-01 Method: functional test of ELT, all tests passed. Complied w/ Van's SB 7-11-09, method: visual & dimensional check of nose wheel fork. Confirmed new style fork was installed at build, no further action req'd. ELT batteries replaced and ELT checked for function IAW FAR 91.207(d)(1 through 9). ELT battery replacement due 3-31-2027 (50% shelf life). I certify this aircraft inspected IAW scope of detail of FAR 43, Appendix D, and found to be in airworthy condition for safe operation <i>W. Heron</i> 3410607 Repairman EAB.

ENGINE MAINTENANCE RECORDS



1-800-624-6680

(IN NY 631-298-8330)

TELEDYNE MATTITUCK SERVICES, INC.

410 AIRWAY DRIVE, MATTITUCK, NY 11952

ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. N401MT

Engine Manufacturer Teledyne Mattituck

Model TMX IO-360

Serial No. CT-505

Date installed on aircraft 1-28-2007

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

☐ Right	☐ Left
☐ Front	☐ Rear

This TMX Experimental Aircraft Engine has been assembled according to the procedures listed in the latest revision of Lycoming Direct Drive Overhaul Manual P/N 60294-7 by Teledyne Mattituck Services at its Mattituck, New York facility. This TMX engine, although assembled for experimental use, has followed the same in-house FAA approved assembly and assembly inspection protocols used during the repair and overhaul of FAA certified engines.

M/N TMX10360 constant speed, dual light speed
S/N CT-505
Work Order 50358
Date 2 may 2006

Teledyne Mattituck Services
410 Airway Drive
Mattituck, NY USA 11952
FAA CRS T10R507Y

1/28/2007	0	0	0	Installed on experimental amateur-built RV-7A, N901MT, SN 71027 per aircraft kit mfr & engine mfr specifications. McHesson, owner-builder, cert # 596067616
4/19/2009	1.0	1.0	1.0	First flight First flight of aircraft. Initial performance as expected. McHesson, owner-builder, experiences cert. # 3410607
6/6/2009	23.2		23.2	#2 ignition system running poorly, had misfire. Ran through CSE trouble-shooting flow chart, problem appeared to be corroded coil ignition post. Cleaned up post. AC returned to service, ignition performing properly. McHesson, owner-builder cert # 3410607
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			47.0	TOTALS brought forward from previous page
8-23-09	47.0		47.0	Drained break-in oil & replaced w/ Phillips 20W-50 multigrade aviation oil. Replaced oil filter. McNamee EAB 3410607
5-8-2010	85.5		85.5	Annual condition inspection. changed oil & filter, replaced oil w/ Acroskell 15W-50. Examined oil filter for metal or other contaminants, no adverse findings. Complied w/ ECF 513 08-1, compression within range for continued use at this time. Replaced all 4 pushrod tube hold-down clips (2 were broken, ECF unit). Compression checks: #1: 78/80 #2: 78/80 #3: 79/80 #4: 78/80 I certify that this engine/installation has been inspected on 5-8-2010 in accordance with the scope and detail of Appendix D to Part 43, and was found to be in condition for safe operation. AL HERRON McNamee Reynolds EAB 3410607 Note: ECF cylinder S/N's: #1-33781-15 Group A of ECF 08-1 #2 - 36530-03 Group B " #3 - 33091-20 Group A " #4 - 33727-27 Group A "
12-5-2010	140.9		140.9	Changed oil & filter (CN43108). Checked debris screen, found two pieces metal ~ 3/16" dia; appear to be remnants of pushrod tube retainers, 100% safe. Acroskell 15W-50 McNamee EAB 3410607
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

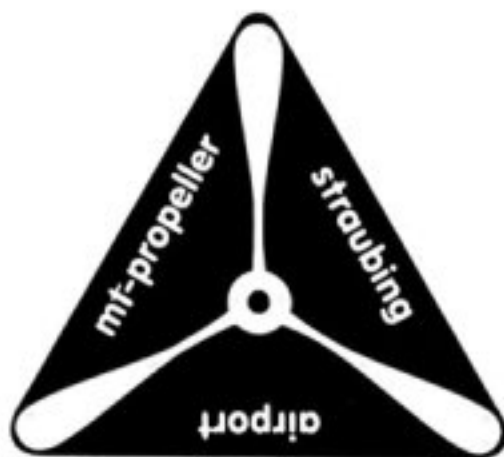
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
1-8-2012	178.5		178.5	Installed B+C SP-8 alternator on unused vacuum pad. Recalculated wt of bal to add ~2.5 lbs at datum - 52 in. (2.9 alternator minus ~.4 lbs wiring removed). Split power supply to ignition modules between main battery & auxiliary battery. AL HERRON, Repairman EAS 3410607 1-8-11 <i>ALH</i>
5/7/2012	189.2		189.2	Annual condition inspection. ECI 5808-1 complied with, no adverse condition found. Compression test results: #1: 74/80 #2: 74/80 #3: 74/80 #4: 73/80 Ignition timing set to 20° BTDC w/ MP @ ambient per Light speed specifications. Engine compartment & all air frame structure & systems inspected and found to be in good structural & operational condition flow (leaking) leaks in RHA fuel tank repaired. See girvath log for items crossed out Propeller hub nut torque checked to be 70 in-lb & all safety wires replaced. Persistent grease leak noted at base of #1 prop blade, OK to operate per consultation w/ MT Propeller engineers for up to 500 ~ 800 hrs, service deferred. Engine & related systems found to be in good operational condition 5-7-2012 AL HERRON, REPAIRMAN EAS 3410607 <i>ALH</i>
				SUB-TOTALS this page
				TOTALS -Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
5-7-2012	189.2		189.2	Oil & filter changed. 100 wt. straight mineral oil added (8 qts). Filter opened & inspected, no significant metal particles found, filter found to be very clean. Oil screen cleaned, no particles noted. AL HERRON, Repairman EAB 3910607 5-7-12 <i>AL HERRON</i>
5-18-2012	223.7		223.7	Oil drained. Oil filter removed & inspected, no particles or debris found. Oil screen removed, inspected & cleaned, no particles or debris found. 8 qts Phillips 20W-50 added, & new filter installed. Engine run up & checked for leaks. AL RTS. AL HERRON, Repairman EAB 3910607 5-18-12 <i>AL HERRON</i>
4-14-2013	245.2		245.2	Oil drained. Oil filter & screens removed & inspected, no particles or debris found. 8 qts Aeroshell 15W-50 semi-synthetic added & new filter installed. Air filter inspected & reinstalled. Timing checked and found to be within limits per light speed specs. Compression checked: #1, 72/80; #2, 80/80; #3, 80/80; #4, 79/80. Added intake manifold drain valve, Precision Automotive P/N 1090138, and drain line. AL HERRON, repairman EAB 3910607 4-14-13 <i>AL HERRON</i>
				SUB-TOTALS this page
				TOTALS —Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
3-1-2014	293.5		293.5	Oil drained. Oil screen & filter removed & inspected, no significant particles or debris found. 8qts Aeroshell 15W-50 semi-synthetic oil added, new filter installed. All spark plugs, NGK BR8ECM, removed & replaced w/NGK BR8EIX plugs, gapped per Lightspeed manual. Compression checked: #1 78/80, #2 80/80, #3 80/80, #4 79/80. Air filter cleaned & replaced. Timing checked per Lightspeed Plasma II manual & found within spec. Annual condition inspection engine & related systems checked and found to be in good operational condition. ECI 3806-1 & FAA AD 2009-26-12 complied w/ by means of good compression check & visual inspection. Condition inspection completed 5-11-14 AL HERRON EXT Repairman 3910607 <i>AL HERRON</i>
2-14-15	340.2		340.2	Oil drained. Oil screen & filter removed/inspected. No significant particles or debris found. 8qts Aeroshell 15W-50 oil added, new filter installed. New NGK BR8ES plugs installed. Ignition timing checked. Compression: #1 74/80 #2 80/80 #3 77/80 #4 73/80 Annual condition inspection engine & related systems checked and found to be in good operational condition. ECI 3806-1/FAA AD 2009-26-12 passed per comp. check AL HERRON Repairman EXT 3910607 2-14-15 <i>AL HERRON</i>
				SUB-TOTALS this page
				TOTALS -Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
10/29/16	382.3		382.3	Ran up engine and performed compression check. Compression results: #1: 78/80 #2: 80/80 #3: 78/80 #4: 79/80 Replaced all spark wire due to time & minor chafing. Replaced all spark plugs w/ new NGK BR8EG, gapped to 0.036". Found crack in LH rear (cyl #4) valve plate, see airframe log entry 11-26-16. AltHeron Repairman EAB 3410607
8/12/17	404.2		404.2	Drained oil. Removed & replaced oil filter w/ new. Inspected scum oil screen, no debris found. Filled w/ 8 qts Acroskill 15W-50 oil. Let - checked engine. AltHeron EAB 3410607
3/25/18	432.6		432.6	Drained oil. Removed & replaced oil filter. Performed compression check, results: (Filled w/ 8 qts Acroskill 15W-50 oil.) #1: #2: #3: #4: Note: check run on warm only engine, no flight AltHeron EAB 3410607
6/17/18	432.6		432.6	Replaced all spark plugs w/ new NGK BR8EG. Checked & reset ignition timing.
				SUB-TOTALS this page
				TOTALS -Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
5/29/19				Replaced oil pressure transducer. Replaced fuel pressure transducer. Replaced both main wheel tires. Replaced LH brake pads, seated new pads & checked for proper function. Entered in error- STB in airframe log N. Herron EAB 3910607
5/27/19				Performed compression check. Results: #1: 78/80 #2: 78/80 #3 78/80 #4: 78/80. Inspected ELI cylinders per ECI 08-1 SB. No discrepancies noted N. Herron EAB 3910607
5/27/19				Drained & replaced engine oil (Aeroshell 15W-50). Replaced oil filter with new. Checked oil screen for debris (none found). N. Herron EAB 3910607
7/20/22	508.6		508.6	Performed engine compression test: Cyl #1: 78/80 Cyl #2: 78/80 Cyl #3: 78/80 Cyl #4: 78/80. Replaced all spark plugs w/ new NGK B8ES. Drained engine oil. Clean & checked debris screen, no debris found. Removed & inspected old filter, no significant debris found. Installed new Tanfast AA4E108-2 oil filter, torqued to 17 lb-in and safety wired. Replenished & gte Aeroshell 15W-50 oil. Lubed all control cables. Checked gam nut torque & add torque seal to throttle and pitch control cable end clevises. N. Herron 3910607 Repaired EAB
				SUB-TOTALS this page
				TOTALS -Carry forward to next page



mt-propeller

The Winner's Propeller

PROPELLER LOGBOOK

EASA DE.21G.0008 / EASA.21J.020

Owner Name _____

Address _____

Propeller Model MTV-15-B

Blade Model 183-402

Hub Serial No. 06225

Blade Serial No. 1 E-015

Propeller Diameter: 183 cm $\pm$ 0,5 cm

2 E-016 Low Pitch: 13 ° $\pm$ 0,2 ° TCI: 72 Month

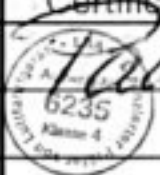
3 / High Pitch: 32 ° $\pm$ 1 ° TBO: 1000 Hrs.

4 / Feathering: / ° $\pm$ / °

5 / Reverse: / ° $\pm$ / °

6 / at radius station: 68,5 cm

MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
28.04.06	00:00	-	Manufactured	
4-19-09	00:00	-	Installed on AL E HERRAU RV-7A (Van's Aircraft) N401MT, Ser # 71027 Rebuilt/Repaired	Al Herrau 3410607
4-25-09	1.3		Backed finepitch set out abt 1 1/2 turns to set static rpm to ~2650	Al Herrau 3410607

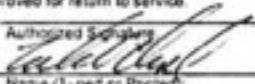
NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12

MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
5/23/09	11.6		Set pitch limit on prop governor to limit in-flight fine pitch rpm to 2700	W. Heron 3910607

NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12

MAINTENANCE & SERVICE HISTORY

1. Approving National Aviation Authority FAA/UNITED STATES		2. Form Tracking Number P5259	
4. Organization Name and Address STOCKTON PROPELLER INC. 2478 N. WILCOX RD. STOCKTON, CA 95215		5. Work Order/Contract/Invoice Number P5259	
6. Item	7. Description	8. Part Number	9. Eligibility*
1	MT PROPELLER	MTV-15-B / 183-402	1
10. Quantity 1			
11. Serial/Batch Number 06225		12. Status/Work REPAIRED	
13. Remarks BLADE S/N'S. E-015, E-016 PROPELLER RESEAL: DISASSEMBLED, CLEANED AND VISUALLY INSPECTED PARTS. REASSEMBLED WITH NEW SEALS, ADJUSTED AND LUBRICATED. BALANCED, DETAILED AND SAFETIED. NO FURTHER INSPECTIONS PERFORMED.			
14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13		19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
15. Authorized Signature:	16. Approval Authorization No.	20. Authorized Signature 	21. Approval/Certificate No. UD7R333Y
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): MICHAEL BELMONT	23. Date (m/d/y): 5-9-13
User/Installer Responsibilities			
It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1 it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.			

FAA Form 8130-3 (6-01)

* Installer must cross check eligibility with applicable technical data

NSN 0052-00-012-9005

Authorized Signatures
Repairman and Station
Certificate Numbers

Bulletins On Pages 11 & 12

MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
5/29/19			Removed & replaced reinstalled propeller Assy (alternator belt replacement). Retorqued & safety wired per specs. R. Henon EAB 3910607	

NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12