

Experimental Aircraft Airframe Logbook



LINE ST 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Manufacturer: TD Carson
Velocity V-Twin
N13UT

Serial No. V1
Date of Manufacture: Jul 2020

Installed
ref: Continental Model: 10X370 (LB) 178 Serial No.: H7E002 (R)
ref: Continental Model: 10X370 (LB) 178 Serial No.: H7E007 (L)

Installed
ref: MT Model: MTV - 2-B-C-F Serial No.: 191167 (L)
el: MT Serial No.: 191168 (R) Serial No.: 191167 (L)
el: MT Serial No.: 191168 (R) Serial No.: 191167 (L)

11/21 950

Owner:	Address:	State:	Zip:
City:	Date Purchased:		
Owner:	Address:	State:	Zip:
City:	Date Purchased:		
Owner:	Address:	State:	Zip:
City:	Date Purchased:		

Address: _____
City: _____
State: _____
Date Sold: _____
Zip: _____

Zip: _____

Date: 14-JUL-2020 Total Time: 00

I have inspected this aircraft and determined it meets the requirements for the certificate requested. I have issued a Special Airworthiness for Experimental Amateur Built Aircraft (Airplane)

Arnold Holmes DAR-F [REDACTED]
OrlandoMIDO/AIR-894 [REDACTED]

Builder

Model

Registr

Engine

Manufa

Manufa

Propelli

Manufa

Hub Mo

Blade M.

Blade int

HOUR METER TIME

IN SERVICE

Date:

Total Time:

I have inspected this aircraft and determined it meets the requirements for the certificate requested. I have issued a Special Airworthiness for Experimental Amateur Built Aircraft (Airplane)

Arnold Holmes DAR-F
OrlandoMIDO/AIR-894

DATE

V-301 ALTIMETER, STATIC, AND TRANSPONDER CERTIFICATE GDU

NewView Technologies, Inc.

FAA CRS NU7R875N

Oshkosh, WI 54904-9225

TEST ALT.															
X1000 FT.	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
TOL.															
+/- FT.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
ACTUAL	0	+5	0	0	+5	+10	0	0	-10	-15	-5	+5	0	+10	+15
+/- FT.															
TEST ALT.															
X1000 FT.	20	22	25	30	35										
TOL.															
+/- FT.	130	140	155	180	205										
ACTUAL	+10	1	1	1	1										
+/- FT.															

CASE LEAK	OK	HYSTERSIS	ALTIMETER
TOL.	0	TOL. + 75 FT.	MAKE <u>GARMIN</u>
50% MAX	+5	MODEL <u>GDU 400</u>	
40% MAX	0	S/N <u>AS INSTALLED</u>	
TEMP. dC	23		

CERTIFIED ALTIMETER PER FAR 43 APP. E. TO 10000 FT.

BLIND ENCODER

CERTIFIED AIRCRAFT STATIC SYSTEMS PER FAR 91.411 (a) (1).

MAKE ASS/N INSTALLED

PERFORMED TRANSPONDER TEST REQUIRED BY FAR 91.413 (a) (c) AND 91.217 (b) IN ACCORDANCE WITH FAR 43 APP. E.

TRANSPONDER MODEL CTX45RS/N AS INSTALLED

This aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations, and is airworthy and approved for return to service.

Date 4-24-70W.O. 472010Signed [Signature]

J. Frane Loytco, 81

N13VT

ALTIMETER, STATIC, AND TRANSPONDER CERTIFICATE

G5

NewView Technologies, Inc.
FAA CRS NU7R875N

Oshkosh, WI 54904-9225

	DATE	RECORDING HOUR
Build		
Mod		
Regis		
Engin		
Manu		
Manu		
Prop		
Manu		
Hub		
Blade		
Blade		

TEST ALT.	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
X1000 FT.															
TOL.															
+/- FT.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
ACTUAL															
+/- FT.	+20	+20	+15	+20	+15	+10	+20	+20	+15	+30	+20	+20	+30	+20	+10

TEST ALT.	20	22	25	30	35	CASE	HYSTERSIS	ALTIMETER
X1000 FT.						LEAK		
TOL.								
+/- FT.	130	140	155	180	205	-100 FT.	50% MAX	MAKE GARMIN
ACTUAL						TEMP.	40% MAX	MODEL C45
+/- FT.	0	1	1	1	1	dC		S/N AS INSTALLED

CERTIFIED ALTIMETER PER FAR 43 APP. E. TO 2000 FT.

BLIND ENCODER

CERTIFIED AIRCRAFT STATIC SYSTEMS PER FAR 91.411 (a) (1).

MAKE S/N

PERFORMED TRANSPONDER TEST REQUIRED BY FAR 91.413 (a) (c) AND 91.217 (b) IN ACCORDANCE WITH FAR 43 APP. F. TRANSPONDER MODEL S/N

This aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations, and is airworthy and approved for return to service.

Date 9-24-2020

W.O. 92010

Signed [Signature]

12 | FAA Experimental Aircraft

N13VT

Velocity V-Twin

Serial #

VT-020

Example A

Solo Pilot with 20 gallons

	Gal	Weight	Arm	Moment
Empty Aircraft		2250	144.5	325125
Pilot and Copilot		200	80	16000
Passenger		0	124	0
Main Fuel	20	120	132	15840
Baggage (Rear)		0	175	0
Sump	4	24	145	3480
Total		2594		360445
			139	

Any lighter than a 200 LB pilot, must add ballast

Example B

Solo pilot with gear and maximum Fuel

	Gal	Weight	Arm	Moment
Empty Aircraft		2250	144.5	325125
Pilot and Copilot		180	80	14400
Passenger		0	124	0
Main Fuel	90	540	132	71280
Baggage (Rear)		0	175	0
Baggage (Fuselage)		200	139	27800
Sump	4	24	145	3480
Total		3014		442085
			146.7	

Example C

4 People with 82.5 gal fuel and 50 lbs baggage

	Gal	Weight	Arm	Moment
Empty Aircraft		2250	144.5	325125
Pilot and Copilot		340	80	27200
Passenger		340	124	42160
Main Fuel	82.5	495	132	65340
Baggage (Rear)		50	175	8750
Baggage (Fuselage)		0	139	0
Sump	4	24	145	3480
Total		3499		472055
			134.9	

Maximum Gross Weight 3500LBS

Fuel Capacity 90 Gallons

Sump Tank Capacity 4 Gallons

Example D

Most Forward CG

	Gal	Weight	Arm	Moment
Empty Aircraft		2250	144.5	325125
Pilot and Copilot		600	80	48000
Passenger		0	124	0
Main Fuel	30	180	132	23760
Baggage (Rear)		0	175	0
Baggage (Fuselage)		0	139	0
Sump	4	24	145	3480
Total		3054		400365
			131	

With 2 Front passengers weighing 300 LBS each, cannot get most forward CG

ALH

ENGINE LOG BOOK



Consult the Continental Motors web site at continentalmotors.aero for engine related news or announcements. Continental Motors Internet Service contains useful information for Continental Motors engine owners, including electronic versions of the most current engine Instructions for Continued Airworthiness and service documents that may be pertinent to your engine model.

If Internet access is not available, contact our Customer Service Department at
[REDACTED] Toll Free in the United States or

Engine Returns

Return engines for core credit with this log book to:

Continental Motors, Inc.

Mobile, AL 36615 USA

ENGINE

Manufacturer/Make CONTINENTAL MOTORS Model IOX370CLB1T8

Serial No. H6E009

Type Certificate EXPERIMENTAL

This engine is currently installed in aircraft N13VT

Max RPM 2700 rpm

H.P. 195

Compression Ratio 9.6:1

Fuel Grade 100/100LL

Oil Grade Meets SAE J1899 or MIL-L-22851

Firing Order 1-3-2-4

Recommended T.B.O. 2,000 Hr Assembly Date 07/02/2019

AIRCRAFT

Installation in Aircraft Type Velocity Twin Reg No N13VT Date APR 2000

First Flight Date _____

Other _____

Engine Model, IOX370CLB1T8

Serial Number, H6E009

Assembly Date 07/02/2019

Run-in Date 07/09/2019

Test results are on file at Continental Motors, Inc.

All applicable directives are in compliance.

This engine is certified to be airworthy for installation on airplanes meeting: (experimental certificates)

Crankcase S/N S19LFA4900480008

Crankshaft S/N N18CFA4800880011

Camshaft S/N FA1702428001

Cylinders S/N

#1 AC19DB209

#2 AC19DB213

#3 AC19DB216

#4 AC19DB263

#5 N/A

#6 N/A

Date	Hours	Min	Hours	Min	Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
2020 6-25	0		0		Installed engine on Velocity V-Twin N13VT A/P [REDACTED]
12 Jul	0		0		I certify that I have inspected this engine on 12 Jul 2020 in accordance with FAR 43 appendix D and have found it to be in a condition for safe operation. B. J. McCarty [REDACTED] A+P [REDACTED]
29 Sept	42.3				Performed engine oil filter change. Inspected Oil filter and found no defects. Installed new Mobil 1 M1-102A filter and added 8 Quarts of Aeroshell W15W50. Leak checked OK [REDACTED] JA [REDACTED]

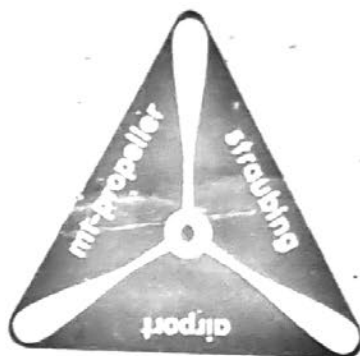
1/21/21 N13VT Total Time: 99.2

Drained oil and inspected filter and found no contaminants. Installed new Mobil 1 P/N M1-102A filter and added 7 quarts of Aeroshell W15W50 oil. Leak checked satisfactory.

New View Technology

Gary M. Hartwig [REDACTED]

A&P [REDACTED]



mt-propeller

The Winner's Propeller

PROPELLER LOGBOOK

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

MTE - 1198
Juni 2005

Owner Name D Larson

Address _____

Propeller Model MTV-12-B-C-F

Blade Model CFLD 168-101b

Hub Serial No. 191167

Blade Serial No. 1 AKF-76539

2 AKF-76540

3 AKF-76541

4 /

5 /

6 /

Propeller Diameter: 168 cm $\pm$ 0.5 cm

Low Pitch: 14.5 $^{\circ}$ $\pm$ 0.2 $^{\circ}$ TCI: 72 Month

High Pitch: / $^{\circ}$ $\pm$ / $^{\circ}$ TBO: 1800 Hrs.

Feathering: 81 $^{\circ}$ $\pm$ 1 $^{\circ}$

Reverse: / $^{\circ}$ $\pm$ / $^{\circ}$

at radius station: 63 cm

INSTALLATION HISTORY

Date	Aircraft Model, Registration & Serial No., Tacho or Hobbs-Time
6-24-20	installed Prop on LT Side of Velocity V-Twin N130T
	A/P [REDACTED]
12 JUL 2020	I certify that I have inspected this propeller on 12 Jul 2020 in
	accordance with FAR 43 appendix D and have found it to be in
	a condition for safe operation. Bryan McLaughlin
	A/P [REDACTED]

Date	Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
Sep 07 2019	00:00	/	Manufactured	[Redacted]
Propeller USA, Inc. [Redacted] DeLand, FL 32724 FAA Approved Repair Station Q4MR908Y Phone: [Redacted] Fax: [Redacted] E-mail: [Redacted]				
Propeller Model: MTV-12-B-C-F/CFLD168-101b Propeller TSN: 0.0 hrs. Assembled propeller in accordance with W/O: 19-394MT and overhaul manual E-220Rev63. Serial S/N: 1)AKF-76539 2) AKF-76540 3) AKF-76541 Year of manufacture: 2019 Certify this propeller has been assembled and inspected, and determined to be in worthy condition at this time. Return to service this date, October 7, 2019 Inspector: Marshall, inspector, Q4MR908Y [Redacted]				
NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12				

DeLand, FL 32724

FAA Approved Repair Station Q4MR908Y

Phone:

Fax:

E-mail:

Propeller Model: MTV-12-B-C-F/CFLD168-101b
Propeller TSN: 00000000

S/N: 191167

Propeller TSN: 0.0 hrs.

Propeller is NEW

Assembled propeller in accordance with W/O: 19-394MT and overhaul manual E-220Rev63.
Blade S/N: 1)AKF-76539 2) AKF-76540 3) AKF-76541

Year of manufacture: 2019

I certify this propeller has been assembled and inspected, and determined to be in airworthy condition at this time. Return to service this date, October 7, 2019
Peter Marshall, inspector, Q4MR908Y, [REDACTED]

Peter Marshall; inspector, Q4MR908Y.

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

Right

ENGINE LOG BOOK



Service Information

Consult the Continental Motors web site at continentalmotors.aero for engine related news or announcements. Continental Motors Internet Service contains useful information for Continental Motors engine owners, including electronic versions of the most current engine Instructions for Continued Airworthiness and service documents that may be pertinent to your engine model.

If Internet access is not available, contact our Customer Service Department at:
[REDACTED] Toll Free in the United States or

Engine Returns

Return engines for core credit with this log book to:

Continental Motors, Inc.

Mobile, AL 36615 USA

ENGINE

Manufacturer/Make CONTINENTAL MOTORS Model IOX370CLB1T8

Serial No. H7E002

Type Certificate EXPERIMENTAL

This engine is currently installed in aircraft: N13VT

Max RPM 2700 rpm

H.P. 195

Compression Ratio 9.6:1

Fuel Grade 100/100LL

Oil Grade Meets SAE J1899 or Mil-L-22851

Firing Order 1-3-2-4

Recommended T.B.O. 2,000 Hr Assembly Date 07/16/2019

AIRCRAFT

Installation in Aircraft Type Velocity Twin Reg No N13VT Date APR 2020

First Flight Date _____

Other _____

Engine Model, IOX370CLB1T8

Serial Number, H7E002

Assembly Date 07/16/2019

Run-in Date 07/16/2019

Test results are on file at Continental Motors, Inc.

All applicable directives are in compliance.

This engine is certified to be airworthy for installation on
airplanes meeting: (experimental certificates)

Crankcase S/N S19CFA4900480004

Crankshaft S/N N18CFA4800880005

Camshaft S/N FA4702428016

Cylinders S/N

#1 AC19DB208

#2 AC19DB220

#3 AC19DB233

#4 AC19DB238

#5 N/A

#6 N/A

Date	Hours	Min	Hours	Min	Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
2020					
6-24	0		0		Installed engine on Velocity V-Twin N13VT AP [REDACTED]
12 Jul	0		0		I certify that I have inspected this engine on 12 Jul 2020 in accordance with FAR 43 Appendix D and have found it to be in a condition for safe operation. Bryan McCarty [REDACTED] A&P [REDACTED]
29 Sept	42	3			Performed engine oil & filter change. Inspected Oil Filter and found no defects. Installed new Mobil 1 M1-102A Filter and added 8 Quarts of Aeroshell W15W-50. Leak checked OK. [REDACTED] A&P [REDACTED]

1/21/21 N13VT Total Time: 99.2

Drained oil and inspected filter and found no contaminants. Installed new Mobil 1 P/N M1-102A filter and added 7 quarts of Aeroshell W15W50 oil. Leak checked satisfactory.

New View Technology

Gary M. Hartwig

A&P [REDACTED]

~~Left~~ Right



mt-propeller

The Winner's Propeller

PROPELLER LOGBOOK

EASA DE.21G.0013 / EASA.21J.020

MTE - 1198
Juni 2005

Owner Name TJ Larson

Address _____

Propeller Model MTV-12-B-C-F

Blade Model CFLD 168-1016

Hub Serial No. 191168

Blade Serial No. 1 AKF-76542

2 AKF-76543

3 AKF-76544

4 ~~_____~~

5 ~~_____~~

6 ~~_____~~

Propeller Diameter: 168 cm $\pm$ 0.5 cm

Low Pitch: 14.5 $^{\circ}$ $\pm$ 0.2 $^{\circ}$ TCI: 72 Month

High Pitch: / $^{\circ}$ $\pm$ / $^{\circ}$ TBO: 1800 Hrs.

Feathering: 81 $^{\circ}$ $\pm$ 1 $^{\circ}$

Reverse: / $^{\circ}$ $\pm$ / $^{\circ}$

at radius station: 63 cm

INSTALLATION HISTORY

Date	Aircraft Model, Registration & Serial No., Tacho or Hobbs-Time
6-24-20	installed Plog on RT side of Velocity V-Twin N13UT A/P [REDACTED]
12 Jul 2020	I certify that I have inspected this propeller on 12 Jul 2020 in accordance with FAR 43 Appendix D and have found it to be in a condition for safe operation. Bryan McCarty [REDACTED] A-P [REDACTED]

MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
Sep 03 2019	00:00	/	Manufactured	[Signature]

MT-Propeller USA, Inc. [Redacted] DeLand, FL 32724
FAA Approved Repair Station Q4MR908Y

Phone: [Redacted] **Fax:** [Redacted] **E-mail:** [Redacted]

Propeller Model: MTV-12-B-C-F/CFLD168-101b **S/N:** 191168
Propeller TSN: 0.0 hrs. **Propeller is NEW**

Assembled propeller in accordance with W/O: 19-395MT and overhaul manual E-220Rev63.
Blade S/N: 1)AKF-76542 2) AKF-76543 3) AKF-76544
Year of manufacture: 2019

I certify this propeller has been assembled and inspected, and determined to be in airworthy condition at this time. Return to service this date, October 7, 2019

Peter Marshall, Inspector, Q4MR908Y [Redacted Signature]

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

	IN	JOB #	JOB DESCRIPTION	CORRECTIVE ACTION	JOB #	IN	
	OUT					OUT	
	IN	1	Perform LT & RT Engine Oil Change	Drowned oil and inspected filter. No contaminants NOTED. <u>INSTALLED</u> NEW MOBIL 1 102 A Filter and 7 Quarts OF Aeroshell WISW-50 Oil. Performed engine Pump		IN	4.0
	OUT					OUT	
	IN					IN	
	OUT					OUT	
	IN					IN	
	OUT					OUT	
	IN	2	Wash Down Engine and Clean Cowling/ PYLONS.	Cleaned as RAD		IN	1.0
	OUT					OUT	
	IN	3	Left engine has 2 INTAKE CLAMPS LOOSE. ONE NOT INSTALLED PROPERLY	Resecured loose Clamp and tightened all clamps -		IN	.5
	OUT					OUT	
	IN					IN	
	OUT					OUT	
	IN					IN	
	OUT					OUT	
	IN					IN	
	OUT					OUT	
	IN					IN	
	OUT					OUT	
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	IN					IN	
	OUT					OUT	
	IN					IN	
	OUT					OUT	
	IN					IN	
	OUT					OUT	

NEWVIEW TECHNOLOGIES, INC.

Oshkosh, WI 54904

<http://newviewtech.com>

Invoice



BILL TO

Jessica Larson

Greenville, WI 54942 USA

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
020321-7	02/04/2021	\$0.00	03/06/2021	Net 30	

P.O. NUMBER

Vbl Jerssica

SALES REP

Gary

DATE		DESCRIPTION	QTY	RATE	AMOUNT
01/21/2021	4010-Aircraft main	N13VT, hobbs 99.2, left and right engine oil and filter changed, inspected both filters, performed ground run and leakage checked, none noted., washed engines down and cleaned cowling and pylons, left engine manifold intake clamps loose, checked remaining clamps for security.	5.50		
01/21/2021	4020-oil	AeroShell 15W50	14		
01/21/2021	4020-oil	oil disposal	2		
01/21/2021	4030-Parts	M1-110A oil filter	2		
01/21/2021	4030-Parts	consumables	1		

PAYMENT
BALANCE DUE

\$0.00

[illegible]

② 7/20 Spoken
William
15