

N1971A

ROTAX
AIRCRAFT ENGINES



MOTOR LOGBUCH

ENGINE LOG BOOK

FÜR ROTAX® MOTORTYPEN 2 TAKT UND 4 TAKT

FOR ROTAX® ENGINE TYPES 2 STROKE AND 4 STROKE

Nr. / no.

TE 03024

Inhaltsverzeichnis / Table of Contents

Stammblatt / base record	1
Motor Ein- und Ausbau Übersicht / Engine installation record	2
SB-Stand und Änderungsstand / SB-Status and Modification record	4
Änderungsstand / Modification record	5
Wartungsübersicht / Maintenance record	10
Austausch von Ausrüstungsteilen / Exchange of equipments	32
Sonstige Eintragungen / other entries	38
Hinweise zur Führung des Motor-Logbuches / Some advice for running an engine Log book	45

Engine log book:

Motorová kniha číslo: TE 03024

for piston engines

pro pístové motory

1

Typ motoru: Type of engine:	912 iS	Provedení: Model:	iS Sport	Výr. číslo motoru Engine serial no.	7 703 024
Výrobce: Manufacturer:	Bombardier Rotax GmbH A-4623 Günskirchen, Austria			Rok výroby : Year of manufacture :	2013

Data sheet : *not applicable*

Startovní výkon : Take of power:	73,5 / 100	kW/hp	v délce: perm.duration:	5	min.	při : r.p.m.	5 800	1/min
Max. trvalý výkon : Max. const. power:	69 / 95	kW/hp	při : at :	5 500	1/min.	r.p.m.		

Der oben bezeichnete Motor ist als betriebsstüchtig anzusehen, wenn er gemäß der Zivilluftfahrzeug- und Luftfahrtgerät-Verordnung, letzte gültige Ausgabe und den Betriebs- und Wartungsanweisungen entsprechend betrieben und gewartet wird.

The above mentioned engine is considered to be operationally reliable if operated and maintained in accordance with the Zivilluftfahrzeug- und Luftfahrtgerät-Verordnung, current issue and the pertinent operational and maintenance instructions.

Výše uvedený motor je považován za způsobilý k dalšímu provozu za předpokladu, že je provozován a udržován podle Návodu k použití motoru a Příručky pro údržbu motoru.

Poznámky:
Remarks:

Datum :
Date: **2013 04 30**

Podpis :
Signature :

TEVESO, s.r.o.
Škroupova 441
500 02 Hlinsko Králové
DIČ: CZ65228600 IČO: 65228600

2

Motor Ein- und Ausbau Übersicht / Engine installation record

Luftfahrzeug: Aircraft:		Datum: Date:		Betriebsstunden Engine hours:		Unterschrift & LFZ. Wart Nr.:	
Kennz.: Registr.:	Type: type:	Einbau: in:	Ausbau: out:	Gesamt: TSN	seit letzter GÜ.: TSO	Signature & EVEKTOR LEAF-TECHNIK a.s. Letačka/čp. 1384 PSC 688 04, Kunovice CZECH REPUBLIC	
N1971A	HARMONY LSA	05-06-2014		NEW		3231219 John. Ryan	
N1971A	HARMONY LSA	09-06-2014		25	Oil & Filter Change		
N1971A	HARMONY LSA	08-11-2014		30	to check engine cracked hoses		

Leading Edge Air Foils LLC
800-532-3462

Date: 09-11-2014 Model: 912IS Gearbox S/N: 59484 TT:

Performed inspection of gearbox. Replaced spring washers, ring halves, and shimmed to spec.. All work done IAW Rotax repair information.

Patrick White AP# 3765675
RFSC O/H Rating 40001150222-1789

Date: 9-15-2014 Tach: 34.7 ACTT: 34.7 Eng TT: 34.7 Prop TT: 34.7 N# 1971A
Make / model: Evektor Harmoy LSA Serial number: 2014-1703
Removed propeller, removed gear box for repair. Reinstalled gear box in accordance with Rotax maintenance manual after repairs performed by Leading Edge Air Foils, see LEAF log entry. Reinstalled propeller, torqued to 175 in-lbs per Warp drive instructions. Replaced lower coolant radiator to engine hoses, P/N 26229 supplied by owner. Engine oil filter was replaced with new Rotax 825-012 oil filter, coolant was topped off with Dex-Cool 50/50 mix, oil was topped as necessary with Honda motorcycle oil. AP2838292 / RFSC 030812121113-01
Rotax Authorized Independent Service Centre

Engine Run up complete, Leak & propeller checked OK Taped OFF Fluids John. Ryan 3231219

3

Leading Edge Air Foils LLC

800-532-3462

Signature &
Wart Nr.:
ence no.:

Date: 10-22-2014 Model: 912IS Gearbox S/N: TT:

Disassembled gearbox, replaced propshaft oil seal p/n 950-470. reassembled gearbox, shimmed to spec., and returned to customer for installation. All work done IAW Rotax repair information.

Patrick White AP# 3765675
RFSC O/H Rating 40001150222-1789

-----End-----

Date: 11-12-2014 Tach: 45.1 ACTT: 45.1 Eng TT: 45.1 Prop TT: 45.1 N# 1971A
Make / model: Evektor Harmoy LSA Serial number: 2014-1703
Removed propeller, removed gear box for repair. Reinstalled gear box in accordance with Rotax maintenance manual after repairs performed by Leading Edge Air Foils, see LEAF log entry. Reinstalled propeller, torqued to 175 in-lbs per Warp drive instructions. Engine oil filter was removed and cut open - no metal noted. Engine oil was drained. Engine was serviced with new Rotax 825-012 oil filter and AeroShell Sport plus 4 oil. Replaced all (4) exhaust down tubes provided by Evektor to correct short length issue. Engine was ground run, leak and ops checked OK. AP2838292 / RFSC 030812121113-01
Rotax Authorized Independent Service Centre

*** S-LSA engine log entry ***
Date: 2-17-2016 Tach: 125.7 Hobbs: 152.8 ACTT: 125.7 N# 1971A
Engine: make / model: Rotax 912 ULS Serial number: 7703024 Eng TT: 125.7
Propeller: Warp Drive 3 blade / 68" Serial number: T14340 Prop TT: 125.7
Engine oil drained, filter removed and cut open - no metal noted; Serviced engine with 3L AeroShell Sport plus 4 oil, Rotax 825-012 oil filter and replaced oil tank crush gasket P/N 250-010. Checked magnetic plug, no metal noted. Engine was ground run, leak and ops checked OK. AP2838292 / RFSC 120002140917-1234
Rotax Authorized Independent Service Centre
EWP Aircraft Services LLC @ C35

*** S-LSA engine log entry ***

N# 1971A

Nr.:
no.:

Date: 7-10-2015 Tach: 86.0 Hobbs: 107.1 ACTT: 86.0
Engine: make / model: Rotax 912 ULS Serial number: 7703024 Eng TT: 86.0
Propeller: Warp Drive 3 blade / 68" Serial number: T14340 Prop TT: 86.0

Engine oil drained, filter removed and cut open - no metal noted; Serviced engine with 3L Aeroshell Sport plus 4 oil and Rotax 825-012 oil filter. New Disassembled and cleaned oil tank. Replaced oil tank crush gasket P/N 250-010. Checked magnetic plug, no metal noted. Resealed per LEAF instructions. Removed and replaced spark plugs with new NGK DCPR8E plugs. Compressions as follows: #1- 88/90 #2- 89/90 #3- 89/90 #4- 88/90. Engine controls were lubed and checked for wear / movement. Removed, inspected, oiled and reinstalled air filter. Engine was ground run, leak and ops checked - OK.

Researched Rotax Service bulletins:

Rotax SB-912-064, crankshaft journal, not applicable per engine serial number; no further action is required

Rotax SB-912-065, periodic float inspection, not applicable per serial number / iS engine; no further action is required.

Rotax SB-912-066UL, CHT probe, not applicable per serial number; no further action is required.

Rotax SB-912-067, float exchange, not applicable per serial number / iS engine; no further action is required.

Rotax SB-912-068, cylinder head, not applicable no - cyl head changes recorded.

Propeller has been inspected / torques checked per MFGR instructions.

I certify that this Engine and propeller have been inspected this date in accordance with the manufacturer's maintenance and inspection procedures and was found to be in a condition for safe flight.

AP2838292 / RFSC 120002140917-1234

Rotax Authorized Independent Service Centre

EWP Aircraft Services LLC @ C35

Leading Edge Air Foils LLC

800-532-3462

Date: 04-14-2016 Model: 912iS S/N: 7703024 Tach/Hobbs:

Performed inspection and cleaning of primary fuel filter and gascolator. Replaced fuel filter O-ring, Gascolator O-ring, and Gascolator filter element, using 10 micron element Andair part number FIA 375-10M.

Performed ECU log extraction and saved to file.

Patrick White A&P 3765675

RFSC Overhaul Rating 40001170523-1789

-----End-----

Anderungsstam / Modification record

*** S-LSA engine log entry ***

N# 1971A

Nr.:
no.:

Date: 7-13-2016 Tach: 154.7 Hobbs: 187.4 ACTT: 154.7
Engine: make / model: Rotax 912iS Serial number: 7703024 Eng TT: 154.7
Propeller: Warp Drive 3 blade / 68" Serial number: T14340 Prop TT: 154.7

Engine oil drained, filter removed and cut open - no metal noted; Serviced engine with 3L Aeroshell Sport plus 4 oil and Rotax 825-012 oil filter. Opened and cleaned oil tank. Replaced oil tank crush gasket P/N 250-010. Checked magnetic plug, no metal noted. Removed and replaced spark plugs with new NGK DCPR8E plugs. Compressions as follows: #1- 86/87 #2- 86/87 #3- 86/87 #4- 86/87. Engine controls were lubed and checked for wear / movement. Removed, inspected, oiled and reinstalled air filter. Engine was ground run, leak and ops checked - OK.

Researched Rotax Service bulletins:

SB 912i-006, stator replacement is due, waiting for factory parts to become available.

Propeller has been inspected / torques checked per MFGR instructions.

I certify that this Engine and propeller have been inspected this date in accordance with the manufacturer's maintenance and inspection procedures and was found to be in a condition for safe flight.

AP2838292 / RFSC 120002140917-1234

Rotax Authorized Independent Service Centre

EWP Aircraft Services LLC @ C35

*** S-LSA engine log entry ***

N# 1971A

Date: 8-29-2016 Tach: 173.8 Hobbs: 208.1 ACTT: 173.8
Engine: make / model: Rotax 912iS Serial number: 7703024 Eng TT: 173.8
Propeller: Warp Drive 3 blade / 68" Serial number: T14340 Prop TT: 173.8

Complied with SB912i-006 Stator replacement, by installation of Kit P/N 481370 S/N 16-0600 in accordance with service bulletin and 912iS Maintenance Manual. Engine oil drained, filter removed and cut open - no metal noted; Serviced engine with 3L Aeroshell Sport plus 4 oil and Rotax 825-012 oil filter. New Dex-Cool coolant was installed. Engine was ground run, leak and ops checked - OK.

AP2838292 / RFSC 30002171029-1234

Rotax Authorized Independent Service Centre

EWP Aircraft Services LLC @ C35

*** S-LSA engine log entry ***

N# 1971A

Date: 3-09-2017 Tach: 200.3 Hobbs: 239.9 ACTT: 239.9
Engine: make / model: Rotax 912 ULS Serial number: 7703024 Eng TT: 239.9
Propeller: Warp Drive 3 blade / 68" Serial number: T14340 Prop TT: 239.9

Engine oil drained, filter removed and cut open - no metal noted; Serviced engine with 3L Aeroshell Sport plus 4 oil, Rotax 825-012 oil filter and replaced oil tank crush gasket P/N 250-010. Checked magnetic plug, no metal noted. Engine was ground run, leak and ops checked OK.

AP2838292 / RFSC 120002140917-1234

Rotax Authorized Independent Service Centre

EWP Aircraft Services LLC @ C35

Änderungsstand / Modification record

Lufttüchtigkeitsanweisung bzw. Änderung:
Airworthiness directive or modification:Ges. Std.:
TSN:Datum:
Date:Unterschrift & LFZ W. Nr.:
Signature & Licence no.:

*** S-LSA engine log entry ***

Date: 7-1-2017
Airframe make / model: Evktor Harmony LSA
Engine make / model: Rotax 912iS
Prop make / model: Warp Drive 3 blade / 68"

Hobbs: 255.5
Serial number: 2014-1703
Serial number: 7703024
Serial number: T14340

Tach: 213.3
ACCTT: 213.3
Eng TT: 213.3
Prop TT: 213.3

N# 1971A

Engine oil drained, filter removed and cut open - no metal noted; Serviced engine with 3L Aeroshell Sport plus 4 oil and Rotax 825-012 oil filter. Opened and cleaned oil tank. Replaced oil tank crush gasket P/N 250-010. Checked magnetic plug, no metal noted. Removed, inspected and reinstalled spark plugs. Compressions as follows: #1- 85/87 #2- 86/87 #3- 86/87 #4- 85/87. Engine controls were lubed and checked for wear / movement. Removed, inspected, oiled and reinstalled air filter. Engine was ground run, leak and ops checked - OK. Researched Rotax Service bulletins: no new applicable SB's noted. Propeller has been inspected / torques checked per MFGR instructions.

I certify that this Engine and Propeller have been inspected on 7-01-2017 in accordance with the manufacturer's maintenance and inspection procedures and was found to be in a condition for safe flight.

AP2838292 / RFSC 120002140917-1234

Rotax Authorized Independent Service Centre

EWP Aircraft Services LLC @ C35

*** S-LSA engine log entry ***

Date: 10-26-2017 Tach: 245.6 Hobbs: 285.2 ACCTT: 285.2
Engine make / model: Rotax 912 ULS Serial number: 7703024 Eng TT: 285.2
Propeller : Warp Drive 3 blade / 68" Serial number: T14340 Prop TT: 285.2

N# 1971A

Engine oil drained, filter removed and cut open - no metal noted; Serviced engine with 3L Aeroshell Sport plus 4 oil, Rotax 825-012 oil filter and replaced oil tank crush gasket P/N 250-010. Magnetic plug was checked - OK. Engine was ground run, leak and ops checked OK.

AP2838292 / RFSC 120002140917-1234 Eric W Paradis

Rotax Authorized Independent Service Centre

*** S-LSA engine log entry ***

Date: 4-23-2018 Hobbs: 321.2 Tach: 269.1
Airframe make / model: Evktor Harmony LSA Serial number: 2014-1703 ACCTT: 269.1
Engine make / model: Rotax 912iS Serial number: 7703024 Eng TT: 269.1
Prop make / model: Warp Drive 3 blade / 68" Serial number: T14340 Prop TT: 269.1

N# 1971A

Downloaded ECU fault and data logs using BUDS software 3.0.1.

AP2838292 / RFSC 120002140917-1234

Rotax Authorized Independent Service Centre

EWP Aircraft Services LLC @ C35

W. Nr.:
e no.:

*** S-LSA engine log entry ***

Date: 7-06-2018 Hobbs: 329.8 Tach: 276.2
Airframe make / model: Evktor Harmony LSA Serial number: 2014-1703 ACCTT: 276.2
Engine make / model: Rotax 912iS Serial number: 7703024 Eng TT: 276.2
Prop make / model: Warp Drive 3 blade / 68" Serial number: T14340 Prop TT: 276.2

N# 1971A

Engine oil drained, filter removed and cut open - no metal noted; Serviced engine with 3L Aeroshell Sport plus 4 oil and Rotax 825-016 oil filter. Opened and cleaned oil tank. Replaced oil tank crush gasket P/N 250-010. Checked magnetic plug, no metal noted. Replaced spark plugs new DCPR8E. Compressions as follows: #1- 85/87 #2- 85/87 #3- 85/87 #4- 86/87. Engine controls were lubed and checked for wear / movement. Removed, inspected, oiled and reinstalled air filter. Reset throttle stop to 1400 RPM min. Engine was ground run, leak and ops checked - OK. Propeller has been inspected / torques checked per MFGR instructions. Researched Rotax Service bulletins: SB 912i-009iS oil filter; complied with by replacement with new 825-016 oil filter; no further action is required.

I certify that this Engine and Propeller have been inspected on 7-06-2018 in accordance with the manufacturer's maintenance and inspection procedures and was found to be in a condition for safe flight.

AP2838292 / RFSC 121201181017-1234

Rotax Authorized Independent Service Centre

EWP Aircraft Services LLC @ C35

*** S-LSA engine log entry ***

Date: 9-04-2018 Hobbs: 342.8 Tach: 288.6
Airframe make / model: Evktor Harmony LSA Serial number: 2014-1703 ACCTT: 288.6
Engine make / model: Rotax 912iS Serial number: 7703024 Eng TT: 288.6
Prop make / model: Warp Drive 3 blade / 68" Serial number: T14340 Prop TT: 288.6

N# 1971A

Engine oil filter removed and cut open - no metal noted. Removed Gear box S/N 59484 and crank gear; installed warranty replacement gear box P/N 893-341 S/N 74109 and new crank gear S/N 181910.

AP2838292 / RFSC 121201181017-1234

Rotax Authorized Independent Service Centre

EWP Aircraft Services LLC @ C35

*** S-LSA engine log entry ***

Date: 1-14-2019 Hobbs: 368.6 Tach: 311.2
Airframe make / model: Evktor Harmony LSA Serial number: 2014-1703 ACCTT: 311.2
Engine make / model: Rotax 912iS Serial number: 7703024 Eng TT: 311.2
Prop make / model: Warp Drive 3 blade / 68" Serial number: T14340 Prop TT: 311.2

N# 1971A

Engine oil drained, filter removed and cut open - no metal noted; Serviced engine with 3L Aeroshell Sport plus 4 oil and Rotax 825-016 oil filter and 250-010 oil tank crush gasket. Checked magnetic plug, no metal noted. Engine was run, no leaks noted.

AP2838292 / RFSC 121201181017-1234 Eric W Paradis

Änderungsstand / Modification record

Date: 7-12-2019
Airframe make / model: Evktor Harmony LSA
Engine make / model: Rotax 912iS
Prop make / model: Warp Drive 3 blade / 68"

*** S-LSA engine log entry ***
Hobbs: 382.4
Serial number: 2014-1703
Serial number: 7703024
Serial number: T14340

Tach: 342.9
ACIT: 342.9
Eng TT: 342.9
Prop TT: 342.9

N# 1971A

Engine oil drained, filter removed and cut open - no metal noted; Serviced engine with 3L Aeroshell Sport plus 4 oil and Rotax 825-016 oil filter. Opened and cleaned oil tank. Replaced oil tank crush gasket P/N 250-010. Checked magnetic plug, no metal noted. Replaced spark plugs new DCPR8E. Compressions as follows: #1- 82/87 #2- 82/87 #3-81/87 #4- 82/87. Engine controls were lubed and checked for wear / movement. Removed, inspected, oiled and reinstalled air filter. Completes Rotax 5yr rubber replacement - P/N 822-420 formed hose, 855-430 formed hose, 822-440 formed hose, 822-445 formed hose, 822-450 formed hose, (2) 922-360 water tube, (2) 922-362 water tube, 951-350 clamp, 851-645 clamp, 889-262 fuel pressure regulator, (7) 250-640 sealing rings, 860-827 expansion tank rubber plate, 850-827 oil tank o-ring, (2) 850-020 air box o-rings, 12.5mm oil hose, 951-350 clamp, 850-091 isolating flange o-rings, 431-890 fuel injector o-rings, 3/8" urethane hose - coolant overflow, 1" blue silicone coolant hoses / elbows to radiator. BUDS software was run - on abnormalities noted. Engine was ground run, leak and ops checked - OK. Propeller has been inspected / torques checked per MFGR instructions. Researched Rotax Service bulletins: No new applicable Rotax or Warp SB's were noted.

I certify that this Engine and Propeller have been inspected on 7-12-2019 in accordance with the manufacturer's maintenance and inspection procedures and was found to be in a condition for safe flight.

AP2838292 / RFSC 3000119019-1234 Eric W Paradis
Rotax Authorized Independent Service Centre

Date: 7-01-2020
Airframe make / model: Evktor Harmony LSA
Engine make / model: Rotax 912iS
Prop make / model: Warp Drive 3 blade / 68"

*** S-LSA engine log entry ***
Hobbs: 382.4
Serial number: 2014-1703
Serial number: 7703024
Serial number: T14340

Tach: 359.3
ACIT: 359.3
Eng TT: 359.3
Prop TT: 359.3

N# 1971A

Engine oil drained, filter removed and cut open - no metal noted; Serviced engine with 3.3L Aeroshell Sport plus 4 oil and Rotax 825-016 oil filter. Opened and cleaned oil tank. Replaced oil tank crush gasket P/N 250-010. Checked magnetic plug, no metal noted. Spark plugs were inspected and reinstalled. Compressions as follows: #1- 86/87 #2- 86/87 #3-86/87 #4- 86/87. Engine controls were lubed and checked for wear / movement. Removed, inspected, oiled and reinstalled air filter. Ran BUDS software - no problems noted. Engine was ground run, leak and ops checked - OK. Propeller has been inspected / torques checked per MFGR instructions. Researched Rotax Service bulletins: No new applicable Rotax or Warp SB's were noted.

I certify that this Engine and Propeller have been inspected on 7-01-2020 in accordance with the manufacturer's maintenance and inspection procedures and was found to be in a condition for safe flight.

AP2838292 / RFSC 30001211017-1234 Eric W Paradis
Rotax Authorized Independent Service Centre

Änderungsstand / Modification record

9

Lufttüchtigkeitsanweisung bzw. Änderung:
Airworthiness directive or modification:

Ges. Std.: TSN:
Datum: Date:
Unterschrift & LFZ W. Nr.: Signature & Licence no.:

Harmony LSA #4 EGT Probe 866-261
Changed bad #4 EGT Probe 866-261
Harmony LSA #4 EGT Probe 866-261
Changed bad #4 EGT Probe 866-261
New desy Extreme Battery 12V 55Ah-NiCd-A

Part # T 433-348H 9-2-20
866-261 T 448-383 H 10-17-20
866-261 T 448-383 H 10-17-20
866-261 T 448-383 H 10-17-20
866-261 T 448-383 H 10-17-20

3231219
3231219
3231219
3231219

Joseph Ryan
Joseph Ryan
Joseph Ryan
Joseph Ryan

Date: 6-09-2021
Airframe make / model: Evktor Harmony LSA
Engine make / model: Rotax 912iS
Prop make / model: Warp Drive 3 blade / 68"

*** S-LSA engine log entry ***
Hobbs: 461.5
Serial number: 2014-1703
Serial number: 7703024
Serial number: T14340

Tach: 394.6
ACIT: 394.6
Eng TT: 394.6
Prop TT: 394.6

N# 1971A

Engine oil drained, filter removed and cut open - no metal noted; Serviced engine with 3.3L Aeroshell Sport plus 4 oil and Rotax 825-016 oil filter. Opened and cleaned oil tank. Replaced oil tank crush gasket P/N 250-010. Checked magnetic plug, no metal noted. Spark plugs replaced with new NGK DCPR8E plugs. Compressions as follows: #1- 85/87 #2- 86/87 #3-85/87 #4- 85/87. Engine controls were lubed and checked for wear / movement. Removed, inspected, oiled and reinstalled air filter. Ran BUDS software - no problems noted. Engine was ground run, leak and ops checked - OK. Propeller has been inspected / torques checked per MFGR instructions. Researched Rotax Service bulletins: No new applicable Rotax or Warp SB's were noted.

I certify that this Engine and Propeller have been inspected on 6-09-2021 in accordance with the manufacturer's maintenance and inspection procedures and was found to be in a condition for safe flight.

AP2838292 / RFSC 3000119019-1234 Eric W Paradis
Rotax Authorized Independent Service Centre



Plane Safe Aircraft Maintenance, Inc. - 503 West Bluemound Rd - Waukesha, WI 53188 - 262-547-1800

N1971A

Hobbs: 486.3

Tach: 416.2

July 19, 2022

1. Complied with Annual condition inspection IAW FAR 43 Appendix D, using the Evektor Harmony and Rotax 912IS inspection checklist as a guide.
2. Checked compressions: #1 85, #2 86, #3 86, #4 85.
3. Drained oil, took sample to send out for analysis. Removed oil filter, cut open and inspected. No contaminants found at this time. Removed magnetic inspection plug and inspected, no contaminants found at this time. Installed plug and secured with safety wire. Installed new P/N 825016 Filter. Replaced oil tank drain plug gasket with new, P/N 250-010. Serviced oil tank with 3.4L of Aero Sport Plus 4. Performed leak check, no leaks found at this time.
4. Replaced coolant overflow bottle hose with new, P/N Z0049, re-routed and secured hose to prevent further chaffing.
5. Replaced collapsed gasculator screen with new, P/N GAS375. Installed, torqued and safetied gasculator bowl. Performed leak check, no leaks found at this time.
6. Replaced oil cooler shock mount with new, P/N H6122.
7. Replaced leaking oil tank o-ring with new, P/N 850491.
8. Installed oil hose connection fittings onto new oil hoses, P/N H7448. Routed and secured all hoses to prevent chaffing or heat damage. Performed run up and leak check, no leaks found at this time.
9. Replaced all fuel clamps on fuel lines with new, P/N H9173, H9172. Performed leak check, no leaks found at this time.
10. Replaced all radiator hose elbows and clamps with new, P/N Q9591 (Hoses), H9175 (Clamps). Secured all hoses to prevent chaffing, fitted lower cowling to check clearance of radiator and coolant hoses and lines. Serviced coolant system with 97496 86095 dex-cool. Performed run and leak checked, no leaks found at this time.
11. Researched part number and sourcing for exhaust riser. Installed new exhaust p/n E6 18-25 01 rear left exhaust tube, E6 18-26 01 rear right exhaust tube.
12. Replaced spark plugs with new, P/N 297656.
13. Disassembled left and right exhaust mounts from engine bridal mounts. Replaced worn left and right exhaust mounting bushings and hardware with new, P/N H6150 (Bushings), AN5C10A (Bolt), NAS1149C0563R (Washer), MS21042L5 (Nut). Installed left and right exhaust mounts to engine bridal mount bolts. Torqued engine bridal mounts IAW Evektor Harmony Maintenance Manual.
14. All Service Bulletins checked through Evektor and Rotax.

I certify that this engine has been inspected on 07-19-2022 in accordance with an Annual Condition Inspection IAW manufacturer's check list/maintenance schedule and was determined to be in a condition for safe flight. Details of work performed are on file with Plane Safe Aircraft Maintenance, Inc. under work order: PS22185.

Mark Pribyl Airframe & Powerplant 3816360



Plane Safe Aircraft Maintenance, Inc. - 503 West Bluemound Rd - Waukesha, WI 53188 - 262-547-1800

N1971A

Hobbs: 486.3

Tach: 416.2

July 19, 2022

1. Completed Annual condition inspection IAW FAR 43 Appendix D, using the Evektor Harmony Warp drive inspection checklist as a guide.
2. All Service Bulletins checked through Warp Drive.

I certify that this propeller has been inspected on 07-19-2022 in accordance with an Annual Condition Inspection IAW manufacturer's check list/maintenance schedule and was determined to be in a condition for safe flight. Details of work performed are on file with Plane Safe Aircraft Maintenance, Inc. under work order: PS22185.

Mark Pribyl Airframe & Powerplant 3816360

Aviating Solutions, Inc. / A Certus Aircraft Company

712 Airport Road Burlington, WI 53105 / 262-767-0882

*****AIRCRAFT / ENGINE / PROPELLER*****

DCN: 0213 230821ACI1MPA

Date: 08/21/2023 A/C: N1971A Hobbs: 508.3 ATT: 508.3 A/C S/N: 20141703 (2014 Evektor Harmony LSA)

Engine Model: Rotax 912IS Engine S/N: 7 703 024 ETT: 508.3 Prop S/N: TBD (Warp Drive 3 Blade 68") PTT: 508.3

Description of Service / Repair Completed

IAW Manufacturers Inspection procedures, I performed the ANNUAL CONDITION INSPECTION. ELT tested IAW FARs - Batteries due 03/2029. All tires < 50% wear. Brakes pads < 50% wear. LMLG rotor = 0.191" and RMLG rotor = 0.195". Rotors in specs.

- CW SB Harmony LSA-020b / Pyro jacket installation on oil lines / Installed per SB / SB is one time and completed.
- SB Harmony LSA-019a SR & Harmony LSA-024a SR / Do not apply to this aircraft per email from manufacturer dated 08/18/2023 / SB's N/A

Compressions: #1 86/87 #2 87/87 #3 87/87 #4 86/87. Inspected exhaust and exhaust system and found no discrepancies. Cleaned and inspected spark plugs. Propeller blades and hub inspected with no discrepancies noted. Torque checked on propeller bolts and safety wired. Aircraft lubricated. All applicable service bulletins complied with. I certify that this aircraft inspected was completed on 08/21/2023 in accordance with the manufacturer's maintenance and inspections procedures and was found to be in a CONDITION FOR SAFE OPERATION. Operational ground tests performed. No discrepancies noted. Aircraft returned to normal operational.

Signature:

Date:

Mike P. Arts / Repairman Light Sport Aircraft Certificate # 3712737

8/21/23

oil: fuller changed
ROTAX OIL FULLER
AEROSHEL SPORT 4

*****AIRCRAFT / ENGINE / PROPELLER*****

DCN: 6213 240001ACHMPA

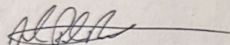
Date: 09/01/2024 A/C: N1971A Hobbs: 528.6 ATT: 528.6 A/C S/N: 20141703 (2014 Evektor Harmony LSA)

Engine Model: Rotax 912S Engine S/N: 7 763 624 ETT: 508.3 Prop S/N: T14348 (Warp Drive 3 Blade 66") PTT: 528.6

Description of Service / Repair Completed

IAW Manufacturers Inspection procedures, I performed the ANNUAL CONDITION INSPECTION. ELT tested IAW FARs - Batteries due 03/2029. All tires < 50% wear. Brakes pads < 50% wear. LMLG rotor = 0.189" and RMLG rotor = 0.191". Rotors in specs. Cleaned and reoiled air filter. Compressions: #1 87/87 #2 86/87 #3 86/87 #4 87/87. Inspected exhaust and exhaust system and found no discrepancies. Cleaned and inspected spark plugs. Oil and filter changed. Installed Rotax filter. Serviced with 3 Quarts Rotax XPS 5w-50 oil. No discrepancies noted during inspection of magnetic plug or filter element. Cleaned out oil tank. Removed and replaced EGT prop with new. Propeller blades and hub inspected with no discrepancies noted. New exhaust system installed. Torque checked on propeller bolts and safety wired. Aircraft lubricated. All applicable service bulletins complied with. I certify that this aircraft inspected was completed on 09/01/2024 in accordance with the manufacturer's maintenance and inspections procedures and was found to be in a **CONDITION FOR SAFE OPERATION**. Operational ground and flight tests performed. No discrepancies noted. Aircraft returned to normal operational.

Signature:



Date: 09/01/2024

Mike P. Arts / Repairman Light Sport Aircraft Certificate # 3712737

Unterschrift &
LFZ Wart Nr.:
Signature &
Licence no.:

Wartungsübersicht / Maintenance record

13

Datum:
Date:

Betriebsstunden:
Engine hours:

Durchgeführte Arbeiten:
Work performed:

Unterschrift &
LFZ Wart Nr.:
Signature &
Licence no.:

Gesamt:
TSN:

seit letzter GÜ.:
TSO:

ROTAX
AIRCRAFT ENGINES



7 703 024

Motornummer / Engine serial no.

HARMONY LSA

Flugzeugtype / Type of aircraft

N 1971 A

Flugzeugkennzeichen / Aircraft registration no.

ROTAX® Vertriebspartner

ROTAX® authorized distributor

TEVESO s.r.o.

Škroupova 441
CZ 500 02 Hradec Králové
tel. +420 495 217 127
fax +420 495 217 226
motory@teveso.cz
www.teveso.cz

WWW.FLYROTAX.COM