

**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.: **N592M**

## Wartungsübersicht / Maintenance record

Datum: Betriebsstunden: Unterschrift &  
Date: Engine hours: LFZ Wart Nr.:  
Gesamt: seit letzter GÜ.: Durchgeführte Arbeiten: Signature &  
TSN: TSO: Work performed: Licence no.:

AUG 28 1102.9 TTAF PERFORMED 100HR/ANNUAL CONDITION INSPECTION  
2024 342.7 TTWG - DRAINED OIL AND CLEANED SWP DEPOSITS. REPLACED  
OIL FILTER PN-825-016 AND ADDED 3L OF AEROSHELL SP4 10/40.  
CWT AND INSPECTED FILTER ELEMENT (NOMETAL)  
INSPECTED MAG PLUG (NORMAL) TORQUED TO 25NM AND  
SAFETIED,  
- COMPRESSION #1-86/87 #2-86/87 #3-86/87 #4-86/87  
- REPLACED ALL (8) NGK DCRPE PLUGS, GAPPED TO 0.025" AND  
TORQUED TO 20NM  
- CLEANED AND OILED AIR FILTERS  
- INSPECTED FLOAT BOWLS (NO CORROSION)  
- BALANCED CARBS AND SET IDLE TO 1700RPM  
- TORQUED PROP BOLTS TO 230 IN/LBS

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW THE SCOPE  
AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE  
IN CONDITION FOR SAFE OPERATION.

JEREMY MACQUEEN APP 3324470

## Wartungsübersicht / Maintenance record

Datum: Betriebsstunden: Unterschrift &  
Date: Engine hours: LFZ Wart Nr.:  
Gesamt: seit letzter GÜ.: Durchgeführte Arbeiten: Signature &  
TSN: TSO: Work performed: Licence no.:

JUNE 1 1145.6 APTT  
2025 ~~760.2~~ ENGT  
385.4  
PERFORMED 100HR/ANNUAL CONDITION INSPECTION  
- DRAINED OIL AND CLEAN OIL SWP DEPOSITS. REPLACED  
OIL FILTER PN-825-016 AND ADDED 3L OF AEROSHELL SP4 10/40.  
CHECKED MAG PLUG (NORMAL) TORQUED TO 25NM AND SAFETIED.  
- COMPRESSION #1-86/87 #2-86/87 #3-86/87 #4-86/87  
- REPLACED (8) NGK DCRPE PLUGS GAPPED TO 0.025" TORQUED  
TO 20NM  
- INSPECTED FLOAT BOWLS (NO CORROSION) 1/3 = 6.33gms 2/4 = 6.33gms  
- SERVICED AIR FILTER PER KEN INSTRUCTIONS  
- REPLACED 3/16" TYGON AIRBOX AND DRIP TRAY DRAIN LINES  
- REPLACED 0-10 BAR VPO OIL PRESSURE TRANSDUCER  
- BALANCED CARBS AND SET IDLE TO 1800RPM  
I CERTIFY THIS ENGINE HAS BEEN INSPECTED ON 15 JUNE  
| 2025 IAW THE SCOPE AND DETAIL OF APPENDIX D  
TO PART 43 AND FOUND TO BE IN CONDITION FOR  
SAFE OPERATION. JEREMY MACQUEEN APP 3324470

## Wartungsübersicht / Maintenance record

Datum:  
Date:Betriebsstunden:  
Engine hours:Durchgeführte Arbeiten:  
Work performed:Unterschrift &  
LFZ Wart Nr.:  
Signature &  
Licence no.:Gesamt:  
TCM: seit letzter GÜ.:  
TCO:

Engine logbook entry N592M May 27 2022 1029.5 TTA 269.3 TTE  
Reinstalled gearbox S/N 67355 after 600 hour inspection in accordance with  
the maintenance manual for this engine.  
Reinstalled Propeller in accordance with Sensenich instructions.  
Post inspection ground performance run, leak check and systems checks satisfactory.  
I certify that this engine has been inspected in accordance with the scope and detail  
of FAR43 appendix D and found in a condition safe for flight.

  
KYLE GABEL A&P2885867

## Wartungsübersicht / Maintenance record

Datum:  
Date:Betriebsstunden:  
Engine hours:Durchgeführte Arbeiten:  
Work performed:Unterschrift &  
LFZ Wart Nr.:  
Signature &  
Licence no.:Gesamt:  
TSN: seit letzter GÜ.:  
TSO:

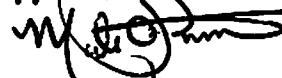
DATE : AUG 01 2023


TACH : 1059.3

TTAF : 1059.3

TTE : 299.1

I CERTIFY THAT THIS "ENGINE" HAS BEEN INSPECTED  
IAW THE SCOPE AND DETAIL OF CFR PART 43  
APPENDIX D, CONDITIONAL INSPECTION AND WAS  
FOUND TO BE IN A SAFE OPERATING CONDITION AT  
THIS TIME. MARK A. HEATON A&P 27910231A



- ① INSPECTION PERFORMED IAW ROTAX L-M/M SECTION  
05-20-00. ② CHANGED OIL W/ 3L AEROSHELL <sup>SPORT</sup> PLUS  
4 10/40W + CHANGED OIL FILTER W/ ROTAX OIL PIN  
825-010, REMOVED + CHECKED MAGNETIC PLUG + CUT  
OIL FILTER, NO DISCREPANCIES, OIL SAMPLE TAKEN.
  - ③ COMPRESSION RESULTS #1 80/82 #2 75/82 #3 80/82 #4 80/82
  - ④ REPLACED EGT PROBE W/ NEW GRT PROBE CYL #1
  - ⑤ ALL SPARK PLUGS CLEANED, INSPECTED, ROTATED  
INSTALLED W/ PROPER HEAT TRANSFER PASTE + TORQUE.
- POST MAINTENANCE RUN-UP PERFORMED, NO DISCREPANCIES  
NOTED, RETURNED TO SERVICE. 

A&amp;P 27910231A

**Wartungsübersicht / Maintenance record**Datum:  
Date:Betriebsstunden:  
Engine hours:Gesamt:  
TSN:seit letzter GÜ.:  
TSO:Durchgeführte Arbeiten:  
Work performed:Unterschrift &  
LFZ Wart Nr.:  
Signature &  
Licence no.:**JM Aero Service & Repair****N592M TACH: 981.9 hrs TTOE: 221.7hrs****Performed 100Hr/ Annual Condition Inspection IAW Rotax L-M/M  
Section 05-20-00)**

-Drained oil, removed sump and cleaned out deposits. Reinstalled sump and safetied. Removed oil filter, cut and inspected, no excessive metal found. Installed new oil filter PN-825-016 and added 3L of Aeroshell Sport Plus 4 10/40w to sump. Checked mag plug, cleaned and reinstalled. Torqued to 25NM and safetied.

-Compression #1-86/87 #2-86/87 #3-86/87 #4-86/87

-Replaced all (8) NGK DCPR8E #4339 Spark plugs, gapped to 0,025" and torqued to 20NM

-Cleaned air filter per K&N instructions

-Replaced all (4) floats PN-861-189 and (2) float bowl gaskets PN-830-727

-Balance carbs set idle 1750RPM

**I certify this engine has been inspected in accordance with the scope and detail of appendix D to part 43 and is found to be in condition for safe operation, approved for return to service**

**Jeremy MacGregor A&P 3324470 IRMT 040001100215-01**  
**DATE: April 01 2021 X**

**Wartungsübersicht / Maintenance record**

Engine logbook entry N592M May 6 2022 1029.5 TTA  
Removed Propeller and Gear box S/N 67355 for inspection.

  
KYLE GABEL A&P2885867

**JM AERO SERVICE & REPAIR****N592M TACH: 1029.5**

Performed 600Hr Inspection and Clutch Cleaning on Gearbox SN:  
67355

-Cleaned clutch plates and set break away to 500Ft/lbs SN:16.0145

-Polished mating surfaces of gearset SN: 15.0157 and dog hub

-Lubricated propshaft splines with copper anti-sieze

-Increased shimming from 1.5mm to 1.7mm

JEREMY MACGREGOR X  
A&P 3324470 IRMT 040001100215-1 MAY 18 2022

## Wartungsübersicht / Maintenance record

Datum: Betriebsstunden:  
Date: Engine hours / cycles:  
Gesamt: seit letzter GÜ.:  
TSN: TSO:

Durchgeführte Arbeiten:  
Work performed:

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

Exhaust System - Good Condition  
Fuel System - Good Condition  
Propeller - Good Condition - Bolts re torqued.  
Coolant System - Good Condition  
See Airframe Log for sign. off.  
*[Signature]*  
Repairman Cert # 3325256  
Rotax Maint # 03081311043007

16 Dec 18 122.2

Fuel filter replaced - NAPA F11-3046.  
No fuel leaks.

*[Signature]*  
Repairman Cert # 3325256  
Rotax Maint # 03081311043007

## Wartungsübersicht / Maintenance record

Datum: Betriebsstunden:  
Date: Engine hours / cycles:  
Gesamt: seit letzter GÜ.:  
TSN: TSO:

Durchgeführte Arbeiten:  
Work performed:

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

14 Dec 19 161.1

Fuel filter replaced Facit FEP735. Compression  
test: #1 89#, 2 89#, 3 89#, 4 89# Carb  
floats - R = 8.4g L = 6.7g R floats  
replaced ROTAX part. 861134. 200 hr. carb  
inspection conducted - all satisfactory.  
5B912-073 Replace circlip coupled  
with - circlip & O ring replaced. Sparks  
plug replaced NGK DCPRBE. Oil and  
filter changed Amshell Sport Plus 4. Oil  
filter: magnetic plug showed no abnormal  
debris. Rotax filter replacement.

Exhaust System - Good Condition  
Fuel System - Good Condition  
Propeller - Good Condition  
See Airframe Log entry for 100 hr sign off  
*[Signature]*  
Repairman Cert # 3325256 Rotax Maint # 03081311043007

Wartungsübersicht / Maintenance record

Datum: Betriebsstunden: Unterschrift & LFZ Wart Nr.:  
 Date: Engine hours: Signature & Licence no.:  
 Gesamt: seit letzter GÜ.: Durchgeführte Arbeiten: Work performed:  
 TSN: TSO:

10 Dec 17 75.7 Annual Condition Inspection performed. See Aircraft Logbook. Propeller re-pitched, Washers replaced on prop hub

*[Signature]*  
 Repairman Cert # 3325256  
 Rotax Maint # 03081311043007

9 Jan 18 78.4 Both carburetor float sets replaced with (PN 861-188 Floats, high compacted). IAW Heavy Maint Manual, Ed 1/Rev 4, Feb 1/2015. Test flight performed. No leaks noted and engine performed properly.

*[Signature]*  
 Repairman Cert # 3325256  
 Rotax Maint # 03081311043007

Wartungsübersicht / Maintenance record

Datum: Betriebsstunden: Unterschrift & LFZ Wart Nr.:  
 Date: Engine hours: Signature & Licence no.:  
 Gesamt: seit letzter GÜ.: Durchgeführte Arbeiten: Work performed:  
 TSN: TSO:

8 May 18 102.1 Spark plugs replaced - NGK DCPR8E, gapped to .028", IAW Rotax Maintenance Manual.  
*[Signature]*  
 Repairman Cert # 3325256  
 Rotax Maint # 03081311043007

3 Dec 18 120.2 100 km/Annual Condition Inspection Oil change - filter remained; expansion of magnetic plug - WNL. Filter replaced & Rotax filter; Oil replaced: Aero Shell Sport Plus 4. Spark plugs removed, inspected and gapped as needed; replaced & heat transfer paste; torqued. Carb floats removed, inspected and weighed. Rt = 3.5gms Lt = 5.7gms - One float replaced. Cylinder compression: #1 = 82, #2 = 79, #3 = 80, #4 = 79 @ 82 PSI test. Air filter cleaned & re-lubricated.

(continued next page)

Wartungsübersicht / Maintenance record

Datum: Date:	Betriebsstunden: Engine hours:	Durchgeführte Arbeiten: Work performed:	Unterschrift & LFZ Wart Nr.: Signature & Licence no.:
	Gesamt: TSN:	seit letzter GÜ.: TSO:	

30 Mar 17

23.3

2.5 hr inspection performed IAW the check list/Maintenance Schedule, Maintenance Manual. Light. Oil filter and magnetic plug inspected - WNL on plug; no particles in filter. New Rotax oil filter installed and AeroShell Sport Plus 4 oil added. No leaks with engine run-up. Propeller re-torqued per Sensenich Installation & Operating Instructions for Rotax Engines.

*[Signature]*  
 Repairman Cert # 3325256  
 Rotax Maint # 03081311043007

Wartungsübersicht / Maintenance record

Datum: Date:	Betriebsstunden: Engine hours:	Durchgeführte Arbeiten: Work performed:	Unterschrift & LFZ Wart Nr.: Signature & Licence no.:
	Gesamt: TSN:	seit letzter GÜ.: TSO:	

7 Jul 17

37.6

Propeller blade pitch changed per Sensenich Installation & Operating Instructions.

*[Signature]*  
 Repairman Cert # 3325256  
 Rotax Maint # 03081311043007

21 Jul 17

44.8

Re-torqued Sensenich hub.

*[Signature]*  
 Repairman Cert # 3325256  
 Rotax Maint # 03081311043007

27 Oct 17

73.3

Oil & filter changed. Magnetic plug - WNL. Oil filter inspection - WNL. Rotax filter installed. AeroShell Sport Plus 4 installed. Run-up - no oil leaks.

*[Signature]*  
 Repairman Cert # 3325256  
 Rotax Maint # 03081311043007

**SB-Stand und Änderungsstand / SB-Status and Modification record**

Status der durchgeführten SB (Service Bulletin) bei 0-Stunden  
Airworthiness directive or modification:

SB - 912-068UL Engine ID extension suffix  
Complied

SB - 912-067UL Carb Float Exchange - NA

SB - 912-073 Carb Circle Clip Replacement

Datum: Unterschrift & Pers. Nr.:  
Date: Signature & Licence no.:

20 Nov 16 *[Signature]*

20 Nov 16 *[Signature]*

14 Dec 19 *[Signature]*

Status der durchgeführten Änderungen bei 0-Stunden  
Airworthiness directive or modification:

Datum: Unterschrift & Pers. Nr.:  
Date: Signature & Licence no.:

**Änderungsstand / Modification record**

Lufttüchtigkeitsanweisung bzw. Änderung:  
Airworthiness directive or modification:

Ges. Std.:  
TSN:

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

[Empty modification record table with columns for Airworthiness directive, TSN, Date, and Signature]



Motor-Logbuch Nr.:

Engine Log Book:

#1

für Kolbenmotor

for piston engine

1

Baumuster:  
Type of engine:

912

Baureihe:  
Model:

ULS 2-01

Motor-Nr.:

Engine serial no.: 6785526

Hersteller:  
Manufacturer: BRP-Powertrain GmbH & CO KG.  
A-4623 Gunskirchen, Austria

Baujahr:

Year of manufacture: 2016

Kennblatt:  
Data sheet:

Startleistung:  
Take off power :

59.6

kW  
kW

zul. Dauer:  
perm. duration: 5

min.  
min.

bei:  
at: 5800

min<sup>-1</sup>  
r.p.m.

Max. zul. Dauerleistung:  
Max. cont. power:

58.0

kW  
kW

bei:  
at:

min<sup>-1</sup>  
r.p.m.

5500

Der oben bezeichnete Motor ist als betriebstüchtig anzusehen, wenn er gemäß der Zivilluftfahrzeug- und Luftfahrtgerät-Verordnung, letztgültige 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.

Bemerkungen:  
Remarks:

Datum:  
Date:

20 Nov 2016

Unterschrift:  
Signature:

