

ROTAX  
AVIATION ENGINEERING



# MOTOR LOGBUCH

ENGINE LOG BOOK

FÜR ROTAX-MOTORTYPEN 2 TAKT UND 4 TAKT

FOR ROTAX ENGINE TYPES 2 STROKE AND 4 STROKE

Nr. / no.

105-843



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Motor-Logbuch Nr.: **105-843** für Kolbenmotor  
 Engine Log Book: für piston engine

Baumuster: Type of engine	<b>912 F3</b>	Baureihe: Model	<b>F3-01</b>	Motor Nr.: Engine serial no.	<b>4.413.058</b>
Hersteller: Manufacturer	<b>BRP Powertrain GmbH &amp; Co. KG A-4623 Gunkskirchen, Austria</b>		Baujahr: Year of manufacture	<b>Dez 2015</b>	
Kennblatt: Data sheet	<b>EASA E.121</b>				

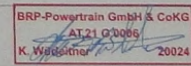
Startleistung: Take off power	<b>81/59,6</b>	PS/kW hp/kW	zul. Dauer: perm. duration	<b>5</b>	min. min	bei: at	<b>5800</b>	min 1 r.p.m.
Max. zul. Dauerleistung: Max. cont. power	<b>79/58</b>	PS/kW hp/kW	bei: at	<b>5500</b>	min 1 r.p.m.			

Der oben bezeichnete Motor ist als betriebsstüchtig 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, latest legal issue and the pertinent operational and maintenance instructions.

Bemerkungen: **The engine was tested and delivered without governor.**  
 Remarks:

Datum:  
Date **17. Dezember 2015**

Unterschrift:  
Signature  
  
**K. Wilschberger 20024**







SB-Stand / SB-Status

Status der durchgeführten SB (Service Bulletin's) bei 0-Stunden  
Status of Airworthiness Directives or modifications effective at 0 hours.

effective SB: 912-000r17, 912-033, 912-057.

optional SB: none.

not applicable SB: 912-10, 912-11r1, 912-14r2, 912-15, 912-17r1, 912-20r1, 912-022, 912-23, 912-24, 912-25, 912-026r3, 912-027r1, 912-028r1, 912-029r3, 912-030r1, 912-031, 912-035r1, 912-037r1, 912-039, 912-040r1, 912-041r2, 912-043r2, 912-044r1, 912-045, 912-048, 912-049, 912-051, 912-052r3, 912-053, 912-054, 912-055, 912-058, 912-059, 912-061r1, 912-062r2, 912-063r1, 912-064r1, 912-065r3, 912-066r1, 912-067r1, 912-068.

Datum / Date: 17. 12. 2015  
Unterschrift & Pers. Nr. / Signature & Licence no. K. Willstätter 20024

BRP-Powertrain GmbH & CoKG  
AT 21 G 00066  
K. Willstätter 20024

Änderungsstand / Modification record

Lufttüchtigkeitsanweisung bzw. Änderung  
Airworthiness directive or modification

Ges. Std. / TSK

Datum / Date

Unterschrift & LFZ W. Nr. / Signature & Licence no.

**Wartungsübersicht / Maintenance record**

Datum Date	Betriebsstunden: Engine hours		Durchgeführte Arbeiten: Work performed	Unterschrift & LFZ-Wart Nr.: Signature & Licence no.
	Gesamt: TSN	seit letzter GU: TSO		
17.12.2015	0	-	Individual examination performed	BRP-Powertrain GmbH & CoKG AT 21 03006 K. Weiskirchner 20024
<p><b>N716LG, Diamond DA20-A1, S/N 10096</b>  <b>209.6 Tach; 0.0 Total Time Eng</b>  <b>June 15, 2016</b>  Annual Inspection completed.</p> <p><b>ENGINE:</b>  Install new engine, Rotax 912 F3-01, s/n 4 413 058, date of manufacture, December 2015. Service with Aeroshell Sport Plus4 to 3.4L.  Service coolant with Prestone Dex-cool, diluted 50/50 to 1.5L. (approx).  Run up - OK Checked for leaks, none found.</p> <p>New spark plugs. Checked fuel system, drained sumps, cleaned fuel bowl screen. Checked starter and alternator, wiring and mounting. Checked exhaust system for condition and security. Engine run up and checked for leaks.  This <b>ENGINE</b> has been inspected in accordance with an <b>ANNUAL INSPECTION</b>.  All work was accomplished using Manufactures Service Manuals and/or checklists, and was found to be in an <b>AIRWORTHY CONDITION</b>.</p> <p style="text-align: right;">June 15, 2016, 209.6 Tach, 1879.2 Total Time</p> <p><i>Peter Vajsabel</i> A&amp;P 3477997IA  Peter Vajsabel A&amp;P 3477997IA</p>				

**Wartungsübersicht / Maintenance record**

Datum: Date:	Betriebsstunden: Engine hours		Durchgeführte Arbeiten: Work performed	Unterschrift & LFZ-Wart Nr.: Signature & Licence no.
	Gesamt: TSN	seit letzter GU: TSO		
<p><b>N716LG, Diamond DA20-A1, S/N 10096</b>  <b>238.6 Tach; 29.0 Total Time Eng.</b>  <b>October 4, 2017</b></p> <p><b>ENGINE:</b>  Annual Inspection completed.  Chance oil and filter. Service with Aeroshell Sport Plus4 to 3.4L.  Service coolant with Prestone Dex-cool, diluted 50/50 as needed.  Run up - OK Checked for leaks, none found.</p> <p style="text-align: center;"><b>COMPRESSIONS</b>  #1 - 78, #2 - 74, #3 - 78, #4 - 74</p> <p>Service spark plugs. Checked fuel system, drained sumps, cleaned fuel bowl screen. Checked starter and alternator, wiring and mounting. Checked exhaust system for condition and security. Engine run up and checked for leaks.  This <b>ENGINE</b> has been inspected in accordance with an <b>ANNUAL INSPECTION</b>.  All work was accomplished using Manufactures Service Manuals and/or checklists, and was found to be in an <b>AIRWORTHY CONDITION</b>.</p> <p style="text-align: right;">October 4, 2017, 238.6 Tach, 1908.2 Total Time</p> <p><i>Peter Vajsabel</i> A&amp;P 3477997IA  Peter Vajsabel A&amp;P 3477997IA</p>				



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## Wartungsübersicht / Maintenance record

Datum: Betriebsstunden: Durchgeführte Arbeiten: Unterschrift & LFZ Wart Nr.  
Date: Engine hours: Work performed: Signature & Licence no.

Gesamt: seit letzter GÜ.  
TSN: TSO:

REG: N144AA DATE: 1-2-2019 TACH: 308.3 TOTAL: 98.7

Engine ANNUAL INSPECTION completed this time and date. Checked all applicable AD's through this date. Performed engine oil change, removed filter, cut open no metal found. Reserviced with new filter and Aeroshell Sport Plus4. R&R all 8 spark plugs with new. Compression checks: 1) 76/80 2) 76/80 3) 76/80 4) 74/80. Ground run leak ops checks good. I CERTIFY I inspected this ENGINE IAW an ANNUAL inspection determine to be AIRWORTHY and APPROVE return to service.

Stephen Jackowski  
AP3008621A

REG: N144AA DATE: 5-23-2019 TACH: 407.2 TOTAL: 197.6

Engine 100hr inspection completed this time and date. Checked all applicable AD's through this date. Changed oil and filter p/n 825014-016 and serviced with Aeroshell sport Plus 4. R&R all 8 spark plugs p/n DCPRT7E with new. Compression checks 1) 76/80 2) 74/80 3) 74/80 4) 74/80. Ground run leak checked sat. I certify this engine has been inspected IAW a 100hr inspection and is an airworthy condition at this time.

Ryan Dougherty  
AP3699307

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## Wartungsübersicht / Maintenance record

Datum: Betriebsstunden: Durchgeführte Arbeiten: Unterschrift & LFZ Wart Nr.  
Date: Engine hours: Work performed: Signature & Licence no.

Gesamt: seit letzter GÜ.  
TSN: TSO:

REG: N144AA DATE: 8/9/2019 TACH: 503.8 TOTAL: 294.2

Engine 100hr inspection completed this time and date. Checked all applicable AD's through this date. Changed oil and filter and serviced with Aeroshell sport Plus 4. Cleaned, gapped and rotated spark plugs. Compression checks 1) 78/80 2) 77/80 3) 76/80 4) 77/80. Ground run leak checked sat. I certify this engine has been inspected IAW a 100hr inspection and is an airworthy condition at this time.

Ryan Dougherty  
AP3699307

REG: N144AA DATE: 11-08-19 TACH: 602.6 TOTAL: 393

Engine ANNUAL inspection completed this time and date. Checked all applicable AD's through this date. Changed engine oil and filter. Reserviced with Aeroshell sport Plus 4. R&R all 8 spark plugs P/N DCPRT7E. R&R fuel bowl gaskets. Compression checks 1) 76/80 2) 75/80 3) 76/80 4) 75/80. Ground run leak ops checks good. I certify I inspected this ENGINE IAW an ANNUAL inspection determine to be Airworthy and APPROVE return to service.

Stephen Jackowski  
AP3008621A

REG: N144AA DATE: 04-24-2020 TACH: 702.6 TOTAL: 493

Engine 100 hour inspection completed this time and date. Checked all applicable AD's through this date. Changed engine oil and filter. Reserviced with Aeroshell sport plus 4. R&R all 8 spark plugs PN: DOPRTE. R&R fuel bowl gaskets. R&R left and right floats, RH carb. Compression checks: 1) 76/80 2) 76/80 3) 75/80 4) 77/80. Ground run leak ops checks good. I certify I inspected this ENGINE IAW a 100 hour inspection determine to be Airworthy and APPROVE return to service.

Stephen Jackowski  
AP30086211A

REG: N144AA DATE: 9/3/2020 TACH: 801.6 Total: 592

Engine 100hr inspection completed this time and date. Checked all applicable AD's through this date. Changed engine oil and filter. Reserviced with Aeroshell sport plus 4. Cleaned gapped rotated spark plugs. Carb float weight R/H 6.7g L/H 6.6g. Compressions #1 75/80 #2 77/80 #3 75/80 #4 78/80. I certify this engine has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.

Ryan Dougherty  
AP3699307

REG: N144AA DATE: 12/4/2020 TACH: 875.4 Total: 665.8

Engine annual inspection completed this time and date. Checked all applicable AD's through this date. Changed engine oil and filter. Reserviced with Aeroshell sport plus 4. R&R all 8 spark plugs. Carb float weight R/H 6.7g L/H 6.7g. Compressions #1 72/80 #2 74/80 #3 70/80 #4 72/80. I certify this engine has been inspected IAW an annual inspection and is in an airworthy condition at this time.

Stephen Jackowski  
AP30086211A

### Wartungsübersicht / Maintenance record

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Datum: Betriebsstunden: Durchgeführte Arbeiten:  
Engine hours / cycles:

REG: N144AA DATE: 3/16/2021 TACH: 972.4 Total: 762.8

Engine 100hr inspection completed this time and date. Checked all applicable AD's through this date. Changed engine oil and filter. Reserviced with Aeroshell sport plus 4 & 825016 filter. R&R 5 spark plugs with new. Carb float weight R/H 6.6g L/H 6.6g. Compressions #1 76/80 #2 78/80 #3 77/80 #4 77/80. I certify this engine has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.

Ryan Dougherty  
AP3699307

REG: N144AA DATE: 6/24/2022 TACH: 976.3 Total: 766.7

Engine annual inspection completed this time and date. Checked all applicable AD's through this date. Changed engine oil and filter. Reserviced with Aeroshell sport plus 4. R&R all 8 spark plugs. Carb float weight R/H 6.9g L/H 6.2g. Compressions #1 79/80 #2 76/80 #3 70/80 #4 77/80. I certify this engine has been inspected IAW an annual inspection and is approved for return to service.

Stephen Jackowski  
AP30086211A