




# AUTHORISED RELEASE CERTIFICATE EASA FORM 1

<b>1. Approving Competent Authority / Country:</b> UNITED KINGDOM	<b>2.</b> <h2 style="text-align: center;">AUTHORISED RELEASE CERTIFICATE EASA FORM 1</h2>	<b>3. Form Tracking Number:</b> NAE 3993	
<b>4. Approved Organisation Name and Address:</b>  <h2 style="text-align: center;">NORVIC AERO ENGINES LTD</h2> Units 4 & 5 Levellers Lane, Eynesbury St Neots, Cambridgeshire. PE19 2JL		<b>5. Work/Order/Contract/Invoice:</b>  ENG 3612	
<b>6. Item:</b>	<b>7. Description:</b>	<b>8. Part Number:</b>	<b>9. Quantity:</b>
1	CMI ENGINE	TSIO-550-C	1
	<b>10. Serial Number:</b>	<b>11. Status/Work:</b>	
	1008922	REPAIRED	
<b>12. Remarks:</b> ITEM 1, ENGINE INSPECTED AND REPAIRED IAW CMI MANUAL M18 DATED JUL 2015 AND M-0 DATED JAN 2017. FAA BIWEEKLY AD CHECKED UP TO ISSUE 2017-10. EASA BIWEEKLY AD CHECKED UP TO ISSUE 2017-10. THE FOLLOWING HAVE BEEN COMPLIED WITH AT THIS TIME: FAA AD 93-10-02, 99-19-01, 2010-11-04. THERE ARE NO OUTSTANDING EASA AD AT THE MOMENT. DETAILS HELD ON JOB FILE ENG 3612, PILOTEN SERVICE. THE WORK IDENTIFIED IN BLOCK 11 AND DESCRIBED HEREIN HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH 14 CFR PART 43 AND IN RESPECT TO THAT WORK. THE ITEMS ARE APPROVED FOR RETURN TO SERVICE UNDER CERTIFICATE NO. 33NY343C AIRCRAFT REGISTRATION- N9127Z. ENGINE HOURS NOT KNOWN.			
<b>13a. Certifies the items identified above were manufactured in conformity to:</b> <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 12			
<b>13b. Authorised Signature:</b>	<b>13c. Approval/Authorisation No.:</b>	<b>14a. <input checked="" type="checkbox"/> Part 145.A.50 Release to Service</b>	<b>Other regulation specified in Block 12</b>
		Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Part 145 and in respect to that work, the items are considered ready for release to service.	<input checked="" type="checkbox"/>
<b>13d. Name:</b>	<b>13e. Date (dd/mm/yyyy):</b>	<b>14b. Authorised Signature:</b>	<b>14c. Certificate/Approval Ref. No.:</b>
			UK.145.01182
		JONATHAN D HOWARD	UK.145.01182
		<b>14d. Name:</b>	<b>14e. Date (dd/mm/yyyy):</b>
		JONATHAN D HOWARD	18 MAY 2017
<b>User/Installer Responsibilities</b>  This certificate does not automatically constitute authority to install the item(s).  Where the user/installer performs works in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in Block 1.  Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.			

# AUTHORISED RELEASE CERTIFICATE EASA FORM 1

<b>1. Approving Competent Authority / Country:</b> UNITED KINGDOM	<b>2.</b> <h2 style="text-align: center;">NORVIC AERO ENGINES LTD</h2> Units 4 & 5 Levellers Lane, Eynesbury St Neots, Cambridgeshire. PE19 2JL	<b>3. Form Tracking Number:</b> NAE 3950	
<b>4. Approved Organisation Name and Address:</b>  NORVIC AERO ENGINES LTD Units 4 & 5 Levellers Lane, Eynesbury St Neots, Cambridgeshire. PE19 2JL		<b>5. Work/Order/Contract/Invoice:</b>  ENG 3612	
<b>6. Item:</b>	<b>7. Description:</b>	<b>8. Part Number:</b>	<b>9. Quantity:</b>
1	TCM MAGNETO	BL-500556-101	1
2	TCM MAGNETO	BL-500556-101	1
<b>10. Serial Number:</b> OVERHAULED OVERHAULED			
<b>11. Status/Work:</b> OVERHAULED OVERHAULED			
<b>12. Remarks:</b> ITEMS 1 & 2, OVERHAULED IAW TCM OVERHAUL MANUAL X42002-3 DATED AUGUST 2011. FAA BIWEEKLY AD'S HAVE BEEN CHECKED UP TO ISSUE 2017-08 AND EASA BIWEEKLY AD'S HAVE BEEN CHECKED UP TO ISSUE 2017-08. THE FOLLOWING HAVE BEEN EMBODIED OR SATISFIED: TCM SB639, SB643B, MSB645, SB658, AD 2005-12-06. DETAILS HELD ON JOB FILE ENG 3612, PILOTEN SERVICE.  THE WORK IDENTIFIED IN BLOCK 11 AND DESCRIBED HEREIN HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH 14 CFR PART 43 AND IN RESPECT TO THAT WORK. THE ITEMS ARE APPROVED FOR RETURN TO SERVICE UNDER CERTIFICATE NO. 33NY343C AIRCRAFT REGISTRATION- N9127Z			
<b>13a. Certifies the items identified above were manufactured in conformity to:</b> <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 12		<b>14a. <input checked="" type="checkbox"/> Part 145.A.50 Release to Service</b> <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Part 145 and in respect to that work, the items are considered ready for release to service.	
<b>13b. Authorised Signature:</b>		<b>14b. Authorised Signature:</b> 	
<b>13c. Approval/Authorisation No.:</b>		<b>14c. Certificate/Approval Ref. No.:</b> UK.145.01182	
<b>13d. Name:</b>		<b>14d. Name:</b> DAVID A FLINT	
<b>13e. Date (dd/mm/yyyy):</b>		<b>14e. Date (dd/mm/yyyy):</b> 20 APR 2017	
<b>User/Installer Responsibilities</b>			
This certificate does not automatically constitute authority to install the item(s).  Where the user/installer performs works in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in Block 1.  Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.			

# NORVIC AERO ENGINES LTD

UNITS 4 + 5, LEVELLERS LANE, EYNESBURY, ST NEOTS, CAMBS PE19 2JL

TEL: 01480 404261

## LOG BOOK CERTIFICATE

EASA-145 APPROVAL NO: UK.145.01182

FAA Approval Ref: 33NY343C

ENGINE MAKE/TYPE: CMI TSIO-550-C SER NO: 1008922

WORK NO. ENG 3612

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**WORK DONE:** engine dismantled and inspected IAW CMI manual M18 and manual M-0, the following work has been carried out:

The crankshaft has been ultrasonic NDT inspected IAW manual M-0. All crankshaft journals have been polished to clean.

All valves and valve seats have been refaced and lapped as required. All cylinder bores have been honed.

The engine has been reassembled using new gaskets, seals etc and additional parts listed below:

Qty	Part No	Description	Remarks
4	655269	Bushing magneto drive	
1	630899	Roller bearing	
2	NAS1805-4	Marsden nut 1/4-28	
2	641909	Plate lock tab	
6	656990	Screw crank gear	
4	649205	Screw face gear	
4	654587-44	Bolt camshaft gear	
16	SA 629104	Retaining ring counterweight	
16	SA 643629	Plate counterweight	
4	SA 643626-105	Pin counterweight	
2	SA 643626-104	Pin counterweight	
2	SA 643626-103	Pin counterweight	
16	639193	Bushing counterweight	
8	SA 350998	Bushing crankblade	
1	SA 646659 M010	Main bearing set	
12	SA 642398 M010	Con rod bearing	
2	MS 35756-8	Key woodruff	
12	655958	Bolt con rod	
12	654490	Nut con rod	
1	CH48109-1	Oil Filter	
4	654439-15	Hose induction	
4	654439-4	Hose induction	
6	654439-2	Hose induction	
2	654439-3	Hose induction	
4	MS 35490-60	Grommet	
1	654565	Spring starter adapter	
1	641368AC	Bearing starter adapter	
1	X13041	Bearing starter adapter	

Qty	Part No	Description	Remarks
1	630680 AC	Bearing starter adapter	
1	640731AC	Bearing starter adapter	
1	637817	Bearing starter	
1	502287-3	Retainer ring	
1	655711	Starter gear shaft	
1	653732	Worm gear assy	
6	SA 5000-SC5	Piston ring set	
1	BL-500556-101	Magneto overhauled	Ser No D11HA035R
1	BL-500556-101	Magneto overhauled	Ser No D13HA069R

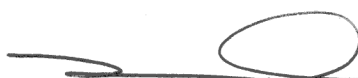
The work recorded above certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

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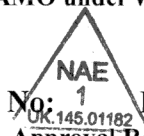
Return to service in accordance with FAR 43.9- I certify that this aircraft, airframe, aircraft engine, propeller, appliance or component was maintained, repaired and inspected in accordance with current regulation of the Federal Aviation Administration and is approved to return to service.

Pertinent details of the maintenance are held on the file at this AMO under work pack number ENG3612

Signed:



Stamp or Licence No:



Date: 18-05-2017

(EASA App: UK.145.01182 & FAA Approval Ref: 33NY343C)