

ENGINE MAJOR OVERHAULED TO MANUFACTURERS SPECIFICATIONS

FORMING WORK

TT 3192.6 TSMOH 2.1 (test run time only)  
MODEL TSIO-520-R S/N 512825

The aircraft engine identified above was repaired and inspected in accordance with manufacturers specifications and current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repairs are on file at this repair station under,

Work order number 21797

Dated March 23, 2010 Signed *Mark Lichten* for

Custom Airmotive, Inc.  
2702 North Sheridan Road (Bldg. B)  
Tulsa, OK 74115  
Ph. 918-836-6836 Fax 918-836-9431  
FAA Certified Repair Station DC2R763K

Fuel system and turbocharger also overhauled (see maint. release). Magnetos, ignition harness and spark plugs are new. This engine is equipped with NEW (ECI) Titan Nickel P/N TISN71.4BCA    cylinders.

Model TSIO-520-R S/N 512825 WO# 21797 TT 3192.6

A.D. # Method of compliance

- 77-05-04 N/A TO THIS OVERHAULED ENGINE.
- 79-05-09 P/C/W; HAD PROPER VALVE & ASSOC. PARTS.
- 80-01-04 N/A TO THESE NEW CYLINDERS.
- 80-22-05 C/W BY USE OF SEAL RETAINING PLATES @ O-H.
- 81-24-06 C/W BY FUEL SYSTEM O-H @ CRS#HK2R875K.
- 86-13-04 N/A TO THESE NEW ECI CYLINDERS.
- 88-03-06 C/W BY USE OF A CHAMPION FILTER.
- 89-24-01 N/A PER MODEL OR S/N.
- 91-19-03 C/W BY USE OF ACCEPTABLE CODED FILTER.
- 93-10-02 N/A TO THESE NEW ECI CYLINDERS.
- 95-21-15 N/A TO THIS OVERHAULED ENGINE.
- 97-26-17 C/W BY USE OF VAR SHAFT W/ULTRASONIC INSP..
- 98-01-08 N/A; HAS TCM ROCKER ARMS.
- 99-19-01 N/A TO THIS CRANKSHAFT S/N 851868.
- 00-23-21 " " .







Continued on page 2,



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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK																
<b>TOTALS</b> brought forward from previous page																				
5-08-2007	6802.1	tach	211.7	TSOP 1485.1 TSNP N1974U D3A34C402C s/n 992702 Prop Log Dressed and painted prop. Checked deice boot operation. Run-up and leak check good. ADs checked to 2008-09. I certify that this propeller has been inspected in accordance with the scope and detail of FAR 43, appendix D, annual inspection and was determined to be in airworthy condition. Signed <u>Leslie H Chatham Jr.</u> A&P3021948IA Leslie H Chatham Jr. Durango Jet Center w/o# 08-1570																
<p><i>2-19-09 TACH 6953.4 PROP T.T. 1636.4 PROP TSOH. 363.0</i></p> <p><i>I CERTIFY THIS PROP HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION &amp; FOUND TO BE IN AIRWORTHY CONDITION.</i></p> <p><i>12th Update 50200246IA</i></p>																				
Robert Lotero / I.A. 1876416 10303 S. 194 East Ave, Broken Arrow, OK. 74014 918-810-6567 03/19/2010 McCauley D3A34C402-C S/N 992702 Tach:7005.0 TSPOH:414.6. I certify that this PROPELLER has been inspected IAW annual inspection, and has been determined to be airworthy. Robert Lotero <u>[Signature]</u> I.A. 1876416 I.A License																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="text-align: center; vertical-align: middle;">  </td> <td colspan="2" style="text-align: center;"> <b>A.I.R.</b>  <b>Aircraft Inspection &amp; Repair LLC</b>                      R.L. Jones Airport (RVS)-Tulsa, Oklahoma 74132                      (918)296-0901                 </td> <td style="text-align: center;"> <b>PROPELLER</b> </td> </tr> <tr> <td style="width: 25%;">W/O#:</td> <td style="width: 25%;">REG. #</td> <td style="width: 25%;">SERIAL #</td> <td style="width: 25%;">HOBBS</td> </tr> <tr> <td colspan="4" style="text-align: center;">                     REMOVED FOR ENGINE CHANGE &amp; REINSTALLED WITH NEW GASKETS, SEALS, &amp; PROP NUTS. TOURED &amp; SAFTIED IN ACCORDANCE WITH MAINTENANCE MANUAL.                 </td> </tr> <tr> <td style="width: 25%;">                     DATE: <u>4.15.2010</u> </td> <td colspan="3" style="text-align: center;">                       BARRY BREDENSTEINER/2793773 AP/IA                 </td> </tr> </table>						<b>A.I.R.</b> <b>Aircraft Inspection &amp; Repair LLC</b> R.L. Jones Airport (RVS)-Tulsa, Oklahoma 74132 (918)296-0901		<b>PROPELLER</b>	W/O#:	REG. #	SERIAL #	HOBBS	REMOVED FOR ENGINE CHANGE & REINSTALLED WITH NEW GASKETS, SEALS, & PROP NUTS. TOURED & SAFTIED IN ACCORDANCE WITH MAINTENANCE MANUAL.				DATE: <u>4.15.2010</u>	 BARRY BREDENSTEINER/2793773 AP/IA		
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<b>TOTALS</b> brought forward from previous page				
<i>5/26/08</i>		<i>6522.8</i>		<p><b>COMPLETED ANNUAL INSPECTION AS PER SCOPE AND DETAIL OF FAR 43 APP. D. I CERTIFY THAT THIS <u>PROP</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>AIRFRAME</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. REF. LISTING OF A.D.'S IN AIRCRAFT RECORDS FOR DETAILS.</b></p> <p><i>[Signature]</i> <b>BRUNGARD AVIATION LLC BOULDER, CO</b></p>
5-17-2007	6570.3	tach	1253.3	TSNP N1947U Prop Log D3A34C402C s/n 992702
<p>Dressed and painted prop. Checked deice boot operation. Run-up and leak check good. ADs checked to 2007-10. I certify that this propeller has been inspected in accordance with the scope and detail of FAR 43, appendix D, annual inspection and was determined to be in airworthy condition.</p> <p>Signed <i>[Signature]</i> A&amp;P3021948IA Leslie H Chatham Jr. Durango Jet Center w/o# 07-1331 07-1340</p>				

1. Approving National Aviation Authority / Country <b>FAA / UNITED STATES</b>		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. System Tracking Ref. No. 30986	
4. Organization Name and Address Rocky Mountain Propellers, Inc., 2865 Airport Drive, Erie, CO 80516 USA FAA FR6R545N - EASA.145.4827				5. Work Order, Contract, or Invoice Number. 30986		
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Qty:	11. Serial / Batch Number:	12. Status / Work:
1	McCaughey Propeller	D3A34C402-C / 90DFA-10	N / A	1	992702	Overhauled
13. Remarks: Overhauled propeller in accordance with McCaughey Service Manual #MPC400, Rev. 2. Complied with Service Letters thru 2006-5, Service Bulletins thru 227B, and AD's thru 77-26-03. Next Overhaul Due: 2000 hours, or 72 calendar months, whichever occurs first. <u>Removed and re-installed propeller on aircraft.</u> Dynamically balanced propeller per McCaughey Service Letter #1989-4D. Tach Time: 6590.4 Blade S/N's: TB069, TB111, TB133 TSN: Unknown TSO: 0.0						
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13						
19. Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13						
15. Authorized Signature:		16. Approval / Authorization No.:		20. Authorized Signature:		21. Approval / Certificate No. FR6R545N
<i>[Signature]</i>				<i>[Signature]</i>		
17. Name (Typed or Printed)		18. Date (m/d/y):		22. Name (Typed or Printed)		23. Date (m/d/y)
				Dave Hampel		Jul 12, 2007
<b>User / Installer Responsibilities</b>						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part / component / assembly. Where the user / installer performs work in accordance with the national regulations of an Airworthiness Authority different than the airworthiness authority of the country specified in block 1, it is essential that the user / installer ensures that his / her airworthiness authority accepts parts / components / assemblies from the airworthiness authority of the country specified in block 1. Statements in block 14 and 19 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.						

FAA Form 8130-3 (6-01) \* Installer must cross check eligibility with applicable technical data. MSN 0052-00-012-9005


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