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 MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020	
U.S. Department of Transportation Federal Aviation Administration		For FAA Use Only Office Identification <i>Sw-67-6500 DEd</i>	
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 or each such violation (Section 901 Federal Aviation Act 1958)			
1. Aircraft	Make Meyers	Model 200B	
	Serial No. 280	Nationality and Registration Mark N229RS	
2. Owner	Name (As shown on registration certificate) Vaughn Electric		Address (As shown on registration certificate) Union City, TN 38261
3. For FAA Use Only			
4. Unit Identification			5. Type
Unit	Make	Model	Serial No.
AIRFRAME	(As described in Item 1 above)		<input type="checkbox"/> Repair <input checked="" type="checkbox"/> Alteration
POWERPLANT			<input type="checkbox"/> Repair <input type="checkbox"/> Alteration
PROPELLER			<input type="checkbox"/> Repair <input type="checkbox"/> Alteration
APPLIANCE	Type		<input type="checkbox"/> Repair <input type="checkbox"/> Alteration
	Manufacturer		<input type="checkbox"/> Repair <input type="checkbox"/> Alteration
6. Conformity Statement			
A. Agency's Name and Address		B. Kind of Agency	
Harold Settle Sherwood, AR 72120		<input checked="" type="checkbox"/> U.S. Certified Mechanic	
		<input type="checkbox"/> Foreign Certified Mechanic	
		<input type="checkbox"/> Certified Repair Station	
		<input type="checkbox"/> Manufacturer	
		C. Certificate No.	
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.			
Date 4-17-2002		Signature of Authorized Individual <i>[Signature]</i>	
7. Approval for Return to Service			
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED			
BY	<input type="checkbox"/> FAA Fit Standards Inspector	<input type="checkbox"/> Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization <input type="checkbox"/> Person Approved by Transport Canada Airworthiness Group
	<input type="checkbox"/> FAA Designee	<input type="checkbox"/> Repair Station	
Date of Approval or Rejection 4-17-2002		Signature of Authorized Individual <i>[Signature]</i>	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

The purpose of this 337 is to replace the existing original equipment engine (TCM IO-470-D) in Meyers 200B N229RS, with a TCM IO-550-F. The replacement engine is of the same configuration, dimensions, weight and is installed in the same manor as the removed engine.

1. Base of approval is according to FAA form 8110-3 dated Nov. 1, 2001 from Bobby Minnis DERT-510258 CE
2. Removed TCM IO-470-D engine s/n CS-104268-3-D.
3. Installed TCM remanufactured IO-550-F engine, s/n 824010., using new J-6545 Lord Mounts. Removal and replacement is covered in TCM operation and installation manual X30605, and Aero Commander overhaul and service manual. AC 43.13-1B chapter 8, sections 1,2, and 3
4. Reinstalled overhauled or new components, hydraulic pump, propeller gov., propeller, air box, vacuum pump, reused existing hydraulic pump, and exhaust.
5. Operation of the TCM IO-550-F remains unchanged from the TCM IO-470-D.
6. Manifold pressure red lined at 27.8 in/hg.
7. Remark and calibrate fuel flow indicator to range markings according to TCM operation and installation manual X30605 page 13-4.
8. Servicing, troubleshooting, and maintenance of the installed engine are described in TCM Overhaul manual for IO-550 sandcast engines X30607A.
9. Continued airworthiness of newly installed TCM IO-550-F is to be accomplished by, TCM operation and installation manual X30605, TCM sandcast series overhaul manual X30607A.
10. Weight and balance, and equipment list updated as required.

End of entry

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☒ Additional Sheets Are Attached

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS		DATE November, 1, 2001	
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE Meyers	MODEL NO. 200B	TYPE (Airplane, Radio, Helicopter, etc.) Aircraft	NAME OF APPLICANT Vaughn Electric [Redacted] Union City, TN 38261
LIST OF DATA			
IDENTIFICATION	TITLE		
Engineering Report Meyers 200B N229RC, SN 280	Rev - Rel dated 11/1/01 Engine Analysis - Installation of Teledyne Continental Motors IO-550-F In the Meyers 200B Aircraft N229RC, SN280		
PURPOSE OF DATA Engineering data only to support Form 337 conversion			
APPLICABLE REQUIREMENTS (List specific sections) FAR 23.901(a) (b) FAR 23.903 (a) FAR 23.905 (a) (b) FAR 23.955 (a) FAR 23.991 (a)			
CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered <u>as applicable</u> have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.			
I (We) Therefore <input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)		DESIGNATION NUMBERS(S)	CLASSIFICATION(S)
Bobby W Minnis [Redacted Signature]		DERT- [Redacted]	Engine & Powerplant

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