Case # CEN22LA010 N5585P - PA-24 - O-360 Woodward / Ontic Engineering governor PN 210305 rev E, SN 866254

Mike Folkerts

National Transportation Safety Board

attendees for the test of subject governor Brian McAmis Aviation Safety Inspector Denver FSDO

Mark Longtin Aviation Safety Inspector Denver FSDO

Dave Hampel and Byron Terry at Rocky Mountain Propellers, Inc., tested a Woodward / Ontic Engineering governor part number 210305 serial number 86625. The governor was tested in accordance with manufacture specification manual 33002B. During the test the following items were checked:

Max RPM setting along with pressure relief, minimum RPM, control arm angle and control arm travel were with in specifications. (See attached test report). This governor was functioning to manufacture specifications at the time of the test.

If you any questions please let me know.

Professional Expert for Aviation Propellers and Governors
Dave Hampel

ROCKY MOUNTAIN PROPELLERS, noc.

RECEIVING IN REPORT GOVERNOR

Form # Receiving - Governor Revision 18 April 14, 2016

			Work Order #
		Date received 10 MAM Control Incoming Shipping Method	ompletion Date
Customer Information			
Repair Order # Name Address	UTIB	Contact Phone	
Aircraft Information			
Registration N # Aircraft Model Engine Design	5585P PAZY 6.368	Engine Serial: I TSO Date of Install	ESN:
Incoming Model Number Outgoing Model Number Change Letter Serial Number Solenoid #1 Model #1 Solenoid #2 Model #1 Solenoid #2 Serial #1 Magnetic Pick Up Synchronizing Coi P / Y Fitting Feather Drain Fitting Shipping Ki	Incoming Outgoing 866254 resistance resistance continuity	Beta Plunger Beta Cap Solenoid #1 Solenoid #2 Coil Mag Pickup Body Mod Req Cap Bushing Req	Scrap Srv Yes No
Other notes Date stamp of last Maintenance relea Required informat	overhaul oq/q se copy? Yes/No ion if unit is NOT in for OVERHAU Date of Installation Time since last overhaul as there metal contamination Yes	Last overhaul by	



MAIN INFORMATION FORM

33002B

Woodward / Ontic Piston Governors

Traveler Number: 33002B - Main

Traveler Rev. 1

Traveler Rev Date: 29 Sep 2016

Customer:				Work Order #	22-50972
Date:	10 Mar 2022	TSN	TSO		
Model Number:	210305	unk		210305	
Serial Number:	866254	***************************************		866254	
Change Letter In:			Out:		77777
WORK TO BE Bench Test	ACCOMPLISHED:			Initials Tech	Date
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	ith SB's thru				
	ith SL's thru				
Overhaul Due	Hours if unit is opera	ited 120 hours per year o	ontinuously		
FINAL INSPEC	TION:	Final In	spector 🗹		
			Date	10 m 7622	



GOVERNOR CALIBRATION

33002B

Woodward / Ontic Piston Governors

Manual 33002B Rev. Dated Jan 87

Traveler Number: 33002B - Calibration

Traveler_Rev #: 1

Traveler Rev Date: 29 Sep 2016

Page 1 of 1

Work Order 22-50972

Item	Description_of_Operation			
Relief valve pressure at 1750 RPM		280		
Pump capacity	150 psi output pressure - qts per minute 500m min	5,8		
High RPM speed setting	234p ± 190	2334		
Control arm angle setting	280° ± 50	28,3		
Total control arm travel	72° 15°	83 9		
Feather RPM	1375 I 25	1295		
Un-feather RPM	NA	~>>		
Magnetic pickup	test at RPM - A	NA		
Voltage output	e pr	NA		
Electrical speed change	test at VA RPM for VA RPM change	NA		
Minimum RPM	NA	NA		
Check for external leaks Hardware torque check and stafety	NONE			

Assembler / Technician_

Inspector*(*

Date 10 man 2022