CEN19MA190 Powerplants Group Chairman's Factual Report
Attachment C
Overspeed Governor S/N 20691854 Acceptance Test Sheets January 14, 2020

Rockford, Illinois CAGE 66503

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## TEST RECORD FOR TURBO-PROP OVERSPEED GOVERNORS (See WGC and Customer Chart for applicable governors)

		(See WGC and Customer Chart for applicable governors)		
	1.	Max. Speed (Section 2.2.1) (Test Schematic valve positions 2 open, 1,3,4, 5,6 closed)		
	a)	Set point RPM at flow (*) at 150 +/- 10 PSI inlet. (Application information column on applicable 4.0.0 0?m drawing)		
		*RECORD RPM 43% ( = 0.8 0?m 4432 = 10 0P	m	
	2.	Reset, Min. Speed. (Section 2.2.2) (Test Schematic valve positions 2 open, 1,3,4,5,6 closed)		
	a.	Energize reset solenoid valve with 18 +/- 1 VDC, increase or decrease speed to obtain flow (*) at 150		
Theran		+/- 10 PSI inlet pressure.  *RECORD RPM 3917 = 9.0 QPm 3910 = 9.0 QPm	Pin	
Thermal after adjust 1.44 OPM at 4000 To	3.	Internal leakage. (Section 2.2.3) (Test Schematic valve positions 2 open, 1,3,4,5,6 closed)	S.T.L.	
	a.	Set RPM to that specified. (Application information column on applicable drawing). With inlet After adjust = 3850 k pressure at 60 +/- 5 PSI, internal leak should be no more than (*).	Pm Pm	
of 4000 KI	111	*RECORD FLOW . G GPM @ 4200 RPM		
	4.	Feather Solenoid Check. (Section 2.2.4) (Test Schematic valve positions 2,4,5,6 open, 1,3, closed)		
	a.	With stand speed at zero, energize feather solenoid with 22 +/- 1 VDC, increase or decrease inlet pressure to obtain the Delta P specified in Section 2.2.4. Flow should be as specified in Section		
		2.2.4. RECORD FLOW 11.3 APM		
	b.	Feather leak check. (Section 2.2.4.3) (Test Schematic valve positions 2,4,5, open, 1,3,6 closed)		
		Reduce voltage to .750 + 01 with no undershoot. If flow is more than 2 QPM reject valve.		
		RECORD FLOW . I DPM		
	5.	Magnetic Pick-up Voltage. (Section 2.2.5) (Test Schematic valve positions 2, open, 1,3,4,5,6 closed)		
	a.	Set stand speed to 3200 +/- 10 RPM, magnetic Pick-up output voltage should be (*).		
		*RECORD VOLTAGE		
	b.	Magnetic pick-up indicated RPM. Set stand speed to 3200 +/- 10 RPM. Indicated RPM should be as		
		specified in Section 2.2.5.1.2.  RECORD RPM		
	6.	External Unfeather Adapter. (Section 2.2.6.1 & 2.2.6.2) (Test Schematic valve positions 1,3 open, 2,4, 5,6 closed)		
	a.	Supply oil to the external connection at 200 +/- 10 PSI. Flow must be 4 QPM Min.		
		RECORD FLOW		
	b.	Unfeather Adapter leak check. (Test Schematic valve positions 2 open, 1,3,4,5,6 closed)		
		With oil inlet pressure at 150 +/- 10 PSI. Leakage past the check valve shall not exceed 1 ounce per		

RECORD LEAKAGE NA

## WOODWARD GOVERNOR COMPANY

(\*) As specified on the applicable assy drawing.

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7.	External Leakage Check. (Section 2.2.7) (Test	st Schematic valve positions 2, open, 1,3,4,5,6 closed)		
		NONE ALLOWED NONE		
8.	Torque Check. (Section 2.3)			
9.	Woodward I/N 210631-01	S/N 20491854		
	Reset Solenoid P/N 13(0 - 105	S/N		
	Feather solenoid P/N	S/N		
	Technician's name and date	15 01/14/2020		
	Sales Order No. 3655671			
RETAIN ONE COPY FOR PERMANENT RECORD				