

CEN19MA190 Powerplants Group Chairman's Factual Report

Attachment B

Overspeed Governor S/N 20691854 Production Acceptance Test Sheets, November 22, 2016

Desc: ATP - ACCEPTANCE TEST FOR TURBOPROP OVERSPEED GOVERNOR
 Date: 17-APR-2020
 IMTPC - TEST SPECIFICATION RESULTS PRINT REPORT

Serial No: 20691854 Run No: 1 Work Order: 3281341 Item No: 210631-01
 Current Status: A Run Status: P Test Type: AS Test Date: 22-NOV-2016

Test Point	Record	Units	Formula Tag	Min	Value	Max	Pass Fail	
1.0	Governor Installation	Verify Installation			COMPLETE		P	
2.0	Governor Warm Up	Verify Warm-Up			COMPLETE		P	
3.0	Calibration of Max And Reset Speeds							
3.1	Steady State Iterations							
3.1.1	Iteration One - Max Speed	Speed	rpm	MAX1	4366	4381	4396	P
3.1.2	Iteration One - Reset (Min) Speed	Speed	rpm	MIN1	3830	3853	3920	P
3.1.3	Iteration Two - Max Speed	Speed	rpm	MAX2	4366	4381	4396	P
3.1.4	Iteration Two - Reset (Min) Speed	Speed	rpm	MIN2	3830	3853	3920	P
3.1.5	Iteration Three - Max Speed	Speed	rpm	MAX3	4366	4381	4396	P
3.1.6	Iteration Three - Reset (Min) Speed	Speed	rpm	MIN3	3830	3853	3920	P
3.1.7	Iteration Four - Max Speed	Speed	rpm	MAX4	4366	4381	4396	P
3.1.8	Iteration Four - Reset (Min) Speed	Speed	rpm	MIN4	3830	3853	3920	P
3.2	Highest Max Speed	Speed	rpm	MAXHIGH	4366	4381	4396	P
3.3	Lowest Max Speed	Speed	rpm	MAXLOW	4366	4381	4396	P
3.4	Max Speed Setting Repeatability	=MaxHigh-MaxLow			0	0	8	P
3.5	Max Speed Setting	=(MAX1+MAX2+MAX3+MAX4)/4			4371	4381	4391	P
3.6	Highest Reset (Min) Speed	Speed	rpm	MINHIGH	3830	3853	3920	P
3.7	Lowest Reset (Min) Speed	Speed	rpm	MINLOW	3830	3853	3920	P
3.8	Reset (Min) Speed Setting Repeatability	=MinHigh-MinLow			0	0	8	P
3.9	Reset (Min) Speed Setting	=(MIN1+MIN2+MIN3+MIN4)/4			3835	3853	3915	P
4.0	Internal Leakage	Flow	qpm		1.69		2.33	P
5.0	Feathering Solenoid							
5.1	Feathering Solenoid Flow	Flow	qpm		9.5	11.2		P
5.2	Dropout Voltage Leak Check	Flow	qpm		0.1		2.0	P
6.0	External Leakage	Leakage			PASS			P

The following criteria were used to run this report:

Serial No: 20691854
 Run Number: 1
 Status: A
 Run Type: AS
 Work Order Number:
 Order By: 1

 * End of IMTPC *
