

**7.0 FREE TURBINE RECORD OF TEST, DATA SHEET****JOB ORDER NUMBER: 12990A****CUSTOMER: WGPW****MODEL: FT4C-1****FT SERIAL NUMBER: 600528****ROTATION: CW\_X\_\_ CCW\_\_**

<u>POINT</u>	LIMITS	Initial Testing Sequence				Final Acceptance Test		
		GG IDLE OR 6000 N2 +/- 50 RPM	RATED SPEED 3600 +/- 50 RPM	OVER SPEED 3800 +/- 50 RPM	GG IDLE OR 6000 N2 +/- 50 RPM	OVER SPEED 3800 +/- 50 RPM	RATED SPEED 3600 +/- 50 RPM	GG IDLE OR 6000 N2 +/- 50 RPM
TIME	N/A	11:41	11:44	11:48	11:51	11:54	11:59	12:02
<b><i>Free Turbine Data</i></b>								
N3 CONTL. RPM	N/A	2705	3012	3660	3836	3000	3660	3836
N3 CUST. RPM	N/A	2705	3012	3660	3836	3000	3660	3836
N3 SPARE RPM	N/A	2705	3012	3660	3836	3000	3660	3836
(PMOP) PSIA	35 -50 PSIA	37	38	41	43	38	41	43
(POILS) PSIA	35 – 50 PSIA	35	37	39	41	36	39	41
(DPMOP) PSID	0 – 5 PSID	15	15	17	17	16	17	18
(TORET) °F	120 – 220 °F	186	185	184	188	182	187	181
(TOSUPT) °F	120 – 220 °F	169	161	140	157	145	140	136
(PFTBP) PSIA	2.0” Hg.	0.2	0.2	0.2	0.2	0.2	0.2	0.2
(PS3UP) PSIA	12 – 26 PSIA	20.4	21.3	22.6	23.3	21.4	22.6	23.4
FRONT (VF90) mils p/p	1.4 mils p/p	0.6	0.4	0.9	0.5	0.4	0.8	0.7
REAR (VR45) mils p/p	1.4 mils p/p	0.2	0.7	1.0	0.9	0.8	0.7	1.1
N3 CONTL. VOLTS	2 – 8 volts AC	3.5	3.8	4.6	4.8	3.8	4.5	4.8
N3 CUST. VOLTS	2 – 8 volts AC	4.9	5.4	6.5	6.8	5.4	6.5	6.8
N3 SPARE VOLTS	2 – 8 volts AC	4.0	4.4	5.3	5.6	4.4	5.3	5.6
<b><i>Gas Generator Data</i></b>								
N2 RPM		5959	6250	6700	6872	6250	6700	6872
Oil Pressure In (PSIG)	50	46	47	48	49	48	49	49
Oil Temperature (°F)	220	189	172	185	173	174	176	174
Tt7 (°F average)		568	580	611	624	584	614	625
Ps4 (psig)		20.4	21.3	22.6	23.3	21.4	22.6	23.4

**Operator 1 Tim Jones\_\_****Operator 2\_Art Prandato\_\_****RECORD RUN DOWN TIME (from 1200 N3 RPM): 8 MINUTES****RECORD #8 REAR CARBON SEAL LEAKAGE \_TRACE AMOUNT\_\_\_\_\_CC****(LIMIT 4 CC/HOUR)****CHECK OIL FILTER: OK\_X\_YES \_\_X\_\_ CONTAMINATION****FOUND \_NONE \_X\_\_****TEST ACCEPTANCE: PASS\_X\_\_ FAIL\_\_\_\_\_****AUTHORIZED BY: William T. Barnet TITLE: Engineering Manager DATE: 20 July 2008****CUST. APPROVAL:****TITLE:****DATE:**