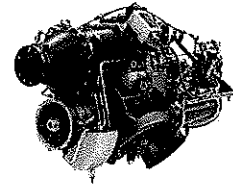




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### Engine Functional Test Results

W/O# 150-184 S/N: CAE-881242 TT: 1,770.2 TSO: New CSN: 1386

Customer: Propjet Aviation

Engine Model: 250-B17F

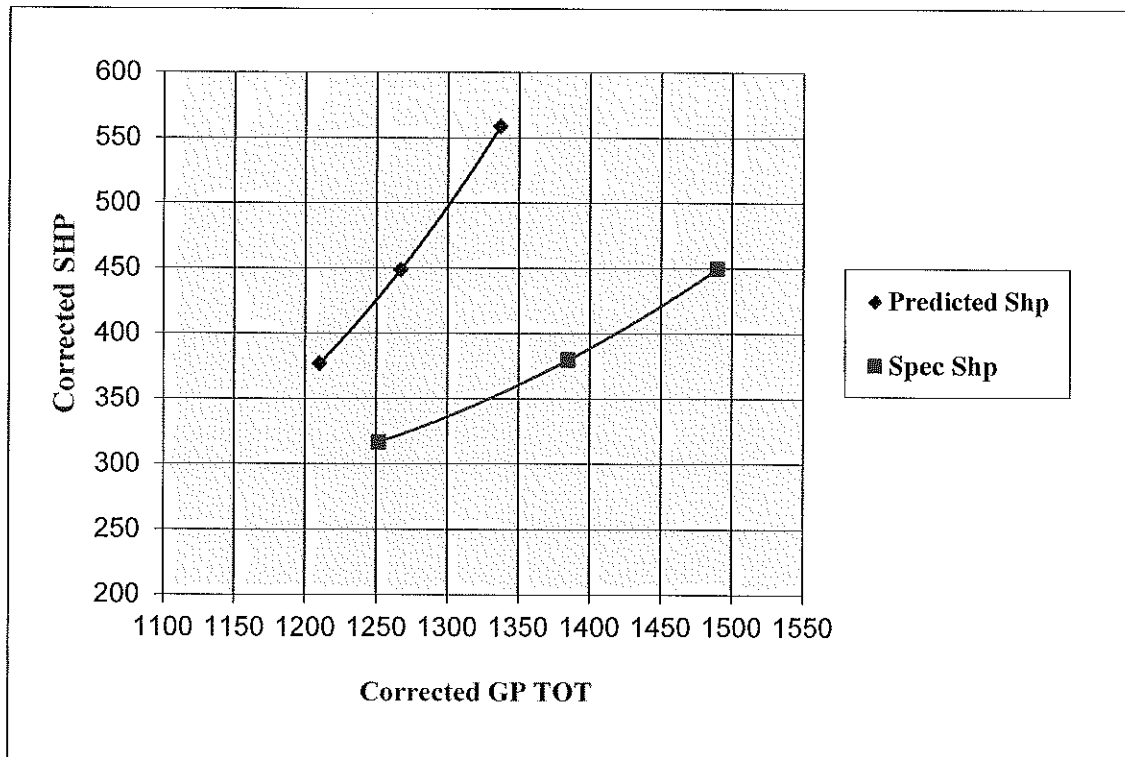
Part Number: 23050805

Test Type: After Repair

Setting	Takeoff	Normal Cruise			Cruise B
Spec GP TOT	1490	1385			1252
Corrected GP TOT	1337	1267			1210
Spec Shaft Power	450	380			317
Predicted SHP @ Spec MGT	559	449			377
% Delta from Spec Power	24.2%	18.2%			18.9%

Spec SFC	0.613	0.635			0.673
Predicted SFC	0.277	0.491			0.994



= Points were extrapolated from predicted data graph & are not required for engine acceptance

Performance data corrected to sea level, static, standard day & uninstalled conditions.



	POWER SETTING				Cruise B	Normal Cruise	Take Off		
General	DATA REQUIRED	UNITS							
	TIME OF DAY	hr:min:sec	7:44:47	7:44:57	7:44:59	7:52:12	7:55:37	7:58:24	
	BAROMETER	in Hg	29.755	29.755	29.755	29.7169	29.7169	29.7169	
Horsepower	GAS PRODUCER SPEED (N1)	rpm	32,615	32,622	32,622	47,851	49,217	50,836	
	POWER TURBINE SPEED (N2)	rpm	22,656	22,637	22,637	33,238	33,238	33,219	
	DYNO TORQUE	lb ft	98	98	98	820	985	1183	
	DYNO HORSEPOWER	hp	26	26	26	317	380	457	
	ENGINE TORQUEMETER	psig	9	9	9	77	92	110	
	DYN. H.P. X CORR. FACTOR	hp	26	26	26	317	380	457	
	R.P.R. CORRECTION		-0.0650	-0.0650	-0.0506	-0.3405	-0.3693	-0.4277	
	S.L.-S.U.R. HORSEPOWER	hp	26	26	26	316	380	456	
	H.P. CORR. FACTOR		0.9964	0.9969	0.9969	1.0000	0.9997	1.0008	
	OBSERVED FUEL FLOW	lb/hr	80	80	80	208	235	267	
Fuel	OBS. FUEL FLOW X CORR.	lb/hr	80	79	79	207	234	266	
	CORR. FOR 18400 BTU		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	
	FU.FL.CORR @ 18400 BTU	lb/hr	80	79	79	207	234	266	
	R.P.R. CORRECTION	lb/hr	0.0455	0.0455	0.0362	0.2242	0.2429	0.2808	
	S.L.-S.U.R. FUEL FLOW	lb/hr	80	79	79	207	234	266	
	CORR. SFC		3.0986	3.0739	3.0707	0.6530	0.6179	0.6578	
	FUEL INLET TEMP.	°F	73	73	73	73	75	75	
	FUEL INLET PRESSURE	psig	26	27	27	27	26	27	
	WF CORR. FACTOR		0.9907	0.9915	0.9915	0.9951	0.9949	0.9962	
	AVG. COMP. INLET PR.	in Hg abs.	29.69	29.69	29.69	29.63	29.65	29.63	
Compressor	EXH. STATIC PRESS.	in Hg abs.	29.67	29.68	29.68	29.57	29.58	29.55	
	TEST CELL REF. PRES.	in Hg abs.	29.76	29.76	29.76	29.72	29.72	29.72	
	RAM PR. RATIO (RPR)		1.0006	1.0006	1.0005	1.0022	1.0024	1.0028	
	AVG. COMP. INLET TEMP.	°F	68	68	68	67	66	66	
	TEST CELL REF. TEMP.	°F	75	75	75	77	76	76	
	OUTER COMB. CASE TEMP.	°F	253	256	256	515	541	563	
	OUTER COMB. CASE PRESS.	in Hg abs.	49	49	49	168	185	203	
	INDICATED GPTOT	°F	1087	1081	1079	1238	1297	1366	
	T5 CORR FACTOR		0.9779	0.9790	0.9790	0.9814	0.9820	0.9830	
	(GPTOT °F + 460) X T5 CF	°R	1514	1509	1507	1669	1725	1795	
Turbine	GPTOT RPR CORRECTED	°R	1514	1510	1508	1670	1727	1797	
	CORR. TOT (°R - 460)	°F	1054	1050	1048	1210	1267	1337	
	GPTOT RPR		0.3003	0.3003	0.2574	1.1194	1.2050	1.3785	
	GPTOT ON START	°F	1446.35	1446	1446.35	1446.35	1446.35	1446.35	
	MAIN OIL PRESSURE	psig	95	91	91	124	124	126	
	Oil	SCAVAGE OIL PRESSURE	psig	13	13	13	13	14	14
		OIL INLET PRESSURE	psig	0.1	0.1	0.1	0.0	0.0	0.0
		OIL OUTLET TEMPERATURE	°F	111	114	115	192	201	204
		OIL INLET TEMPERATURE	°F	89	92	92	132	138	140
		GEARBOX CAGE PRESSURE	in H2O	13.2	12.9	13.2	56.8	64.5	78.9
Vib	DYNO VIBRATION	IPS	0.00	0.00	0.00	0.00	0.00	0.00	
	TURBINE VIBRATION	IPS	0.01	0.02	0.02	-0.02	-0.02	-0.02	
	COMPRESSOR VIBRATION	IPS	0.12	0.12	0.12	0.31	0.29	0.28	
	G/BOX VIBRATION	IPS	0.59	0.65	0.60	0.45	0.39	0.33	
Misc	ANTI-ICE LINE TEMP.	°F	-32721	-32721	-32721	-32721	-32721	-32721	
	COMP. SEAL VENT PRESS	in Hg	0.0	0.0	0.0	0.0	0.0	0.0	
	START NUMBER		1	1	1	1	1	1	
START ACCEL TIME	Minutes	00:00.0	32.00	00:00.0	00:00.0	00:00.0	00:00.0		

Fuel Temp: 66.0  
Fuel SG : 0.810  
Fuel LHV: 18400  
Fuel Type: Jet A  
Oil Type: Mobil 254  
T.O. HP Ind. :  
Takeoff Ind. :

Seal Vent Orifice Dash # : ILLIGIBLE  
Fuel Control S/N: BR57263  
Governor S/N: 248997  
OCC S/N: 39865  
Compressor S/N: CAC-81094  
Gear Box S/N: CAG-31092  
Turbine S/N: CAT-81075

COMMENTS:  
START AT 1446 DEGREE F IN 32 SEC.

Oil Consumption	Time	Level
Start		0.000
Finish		0.000
Comb Drain :		0
Pump Drain :		0
Exh Drain :		0