

S/N 5A4323

W.O. #59125

**TURBINE WHEEL HISTORICAL RECORD**

OMB NO. 0701-0086  
EXPIRES MARCH 1983

1. AF PART NUMBER 405802  
 2. MANUFACTURER'S NUMBER MAS. NO. 417501  
 ASSY. P/N 478831  
 3. AF SERIAL NUMBER 5A4323  
 4. TURBINE STAGE NUMBER 2ND

5. OVERHAUL QUANTITICAL REASSESSMENT	6. DATE A.	ENGINE TIME B.	WHEEL TIME C.	TEMPERATURE ON SPEED D.	TIME OVER LIMIT E.	NATURE AND POSSIBLE CAUSE F.	7. INSTALLATION DATA								
							ENGINE MODEL AND SERIAL NO. G.	INSTALLED DATE C.	END TIME D.	REMOVED DATE E.	END TIME F.	WHEEL TIME SINCE NEW G.	WHEEL TIME SINCE OVERHAUL H.	REASON FOR REMOVAL I.	
NEW															
1ST OVERHAUL															
2ND OVERHAUL															
3RD OVERHAUL															
4TH OVERHAUL															
5TH OVERHAUL															
6TH OVERHAUL															
7TH OVERHAUL															
8TH OVERHAUL															

ACTIVITY A.	ENGINE MODEL AND SERIAL NO. G.	INSTALLED		REMOVED		WHEEL TIME SINCE NEW G.	WHEEL TIME SINCE OVERHAUL H.	REASON FOR REMOVAL I.
		DATE C.	END TIME D.	DATE E.	END TIME F.			
ROCKWELL INTERNT'L PERRYVILLE, MO	J60-P3A P637449	5-16-83 Eng. Cycle	0.0 14374.0			1701.0 6309.0	0.0	WHEEL TRUPE CYCLES



S7N A-6944

W.O. #59125

**TURBINE WHEEL HISTORICAL RECORD**

OMB NO. 0701-0006  
EXPIRES MARCH 1983

1. AP PART NUMBER 405801      2. MANUFACTURER'S NUMBER MAS. NO. 417501      3. AP SERIAL NUMBER 3B4857      4. TURBINE STAGE NUMBER 1ST

ASSY. P/N 478831      ABNORMAL TEMPERATURE AND/OR OVERSPEED DATA

5. WHEELBLANK DIA/METRICAL MEASUREMENT	6. DATE A.	ENGINE TIME B.	WHEEL TIME C.	TEMPERATURE OR SPEED D.	TIME OVER LIMIT E.	NATURE AND POSSIBLE CAUSE F.	
							7. 1ST OVERHAUL
NEW							
1ST OVERHAUL							
2ND OVERHAUL DIA. 11.032							
3RD OVERHAUL RI							
4TH OVERHAUL							
5TH OVERHAUL							
6TH OVERHAUL							
7TH OVERHAUL							
8TH OVERHAUL							

**INSTALLATION DATA**

ACTIVITY A.	ENGINE MODEL AND SERIAL NO. B.	15. INSTALLED			16. REMOVED			WHEEL TIME SINCE NEW G.	WHEEL TIME SINCE OVHL H.	REASON FOR REMOVAL I.
		DATE C.	ENG TIME D.	DATE E.	ENG TIME F. TSO	WHEEL TIME SINCE NEW G.	WHEEL TIME SINCE OVHL H.			
ROCKWELL INTERN'T L Perryville, Mo	J60-P3A P637449	5-16-83 Eng. Cycles	0.0 14374.0				1701.0 6309.0	0.0 Wheel True Cycles		




**SIGNIFICANT HISTORICAL DATA**

1. MISSION DESIGN SERIES/TYPE, MODEL AND SERIES: ENGINE 160-P3A  
 2. MANUFACTURER: PRATT & WHITNEY  
 3. SERIAL NUMBER: P637449  
 4. ACCEPTANCE DATE: 19 MAY 83

DATE: \_\_\_\_\_ REMARKS: \_\_\_\_\_ ORGANIZATION: \_\_\_\_\_

19 MAY 83

Rockwell International General Overhaul T.T.: 11207.0, TSCO: 00:00, TRUE CYCLES: 14374.0. Engine Preserved in Accordance with Section 2J-1-18. Engine overhauled in Accordance with Contract #F41608-81-D-A067, DATA PLATE SPEED 15510, RPM @ 96.76%.

Rockwell International  
 Sabreliner Division  
 Perryville, Mo.  
*P. C. Bonner*  


19 MAY 83

Compressor S/N A-7202 and Turbine S/N A6944 installed in this Engine at this overhaul.

Rockwell International  
 Sabreliner Division  
 Perryville, Mo.

11 JUL 83

R&R: FUEL CONTROL. INSTALLED QEC KIT (S/N: 73).  
 ENG TT: 11207.0 TSCO: 0000 T/CYC: 14374.0

63 MAW NAFB, CA.

16 AUG 83

INSTALLED ENGINE ON AVFT 62-0642 #2 POSITION AT ACFT HRS:16509.0 ENG TSCO:0.0 TT:11207.0 CYC:14374  
 ENGINE REMOVED FROM ACFT 610642, #2 POSITION FOR GEARBOX FAILURE. REMOVED AND REPLACED GEARBOX. ACFT HRS:16819.4, TT:11517.4, TSCO:310.4, CYC: 14630.6. REINSTALLED ENGINE.

63 MAW NAFB CA  
 63 MAW NAFB CA

2 MAY 84

ENGINE REMOVED FROM ACFT 61-0642 #2 POSITION FOR CRACKED INLET GUIDE AT ACFT HRS: 16941.8 TOT LDGS: 2946 FSL: 1961  
 ENG TT: 11639.8 ENG TSCO: 432.8 CYC: 14739  
 ENGINE REINSTALLED ON SAME ACFT, SAME TIMES

63 MAW NAFB CA  
 63 MAW NAFB CA

3 MAY 84

ENGINE REMOVED FROM ACFT 61-0642 #2 POS FOR A CRKD IGV AT: ACFT HRS: 17162.0 TOT LDGS: 3187 FSL: 2097  
 ENG TT: 11863.8 ENG TSCO: 656.8 CYC: 14922  
 WELDED IGV AND REINSTALLED ENG SAME HRS AND CYC

63 MAW NAFB CA  
 63 MAW NAFB CA

28 AUG 84

29 AUG 84

DATE A	REMARKS B	ORGANIZATION C
6 DEC 84	ENGINE REMOVED FROM ACFT 61-0642 #2 POSITION FOR REUSE AT: ACFT HRS: 17256.7      TOT LDGS: 3297      FSL: 2162 ENG TT: 11958.5      ENG TSCO: 751.5      CYC: 15009	63 MAW NAFB CA
6 DEC 84	ENGINE INSTALLED ON ACFT 61-0647 #2 POSITION AT: ACFT HRS: 19408.4      TOT LDGS: 6819      FSL: 3486 ENG TT: 11958.5      ENG TSCO: 751.5      CYC: 15009	63 MAW NAFB CA
5 JAN 85	ENGINE REMOVED FROM ACFT 61-0647 #2 POSITION TO FOM(WIRING HARNESS INSP) AT: ACFT HRS: 19453.2      TOT LDGS: 6870      FSL: 3506 ENG TT: 12003.3      ENG TSCO: 796.3      CYC: 15044 REINSTALLED SAME ENGINE AFTER INSP SAME HRS AND CYCLES	63 MAW NAFB CA 63 MAW NAFB CA
16 JAN 85		MASDC DMAFB ARIZ
10 JUN 85	Eng #2 Pos received on CT-39A 61-0647 at Acft Instl Hrs: 19453.2 and processed into storage IAW T.O. 2-1-32, TSO: 1123.8      TT: 12,330.8	

P63 7449

**SIGNIFICANT HISTORICAL DATA**

1. MISSION DESIGN SERIES/TYPE, MODEL AND SERIES  
 COMPRESSOR ROTOR STATOR ASSEMBLY

2. MANUFACTURER  
 PRATT & WHITNEY P/N 735375

3. SERIAL NUMBER  
 A-7202

PAGE OF PAGES  
 19 MAY 83

DATE  
 19 MAY 83

REMARKS

ORGANIZATION

PART NUMBER	S/N	TT	TRUE CYCLES
FRONT HUB	748001A	1768.4	6355.6
2ND STAGE	597402B	1768.4	6335.6
3RD STAGE	410703R	0.0	0.0
4TH STAGE	448804L	3000.0	3000.0
5TH STAGE	701505D	3114.6	2084.6
6TH STAGE	496706E	2478.3	1751.8
7TH STAGE	448807T	0.0	0.0
8TH STAGE	701108D	3023.5	2538.0
9TH STAGE	701409F	0.0	0.0

19 MAY 83  
 Rockwell International General Overhaul TT: 2638.0, TSCO: 00:00,  
 True Cycles 11606.6, Compressor Overhauled IAW Contract  
 F41608-81-D-A067. Unit packed IAW 2J-J60-3.  
 Complied with T.O. 2J-J60-552.

19 MAY 83  
 Compressor Rotor Assembly installed in Engine S/N 637449 at Engine  
 TT: 11207.0, Engine TSO: 00:00, Engine Cycles: 14374.0.

Rockwell International  
 Sabreliner Division  
 Perryville, MO  
*P.C. Danner*  
 Rockwell International  
 Sabreliner Division  
 Perryville, Mo.  
*P.C. Danner*

DATE	FROM / /	TO / /	CREW CHIEF	ORGANIZATION	LOCATION	LOCATION	REMOVED ASSEMBLY	SERIAL NUMBER	TOTAL OPERATING TIME		
NOMENCLATURE AND TYPE			SERIAL NO.	LOCATION	REPLACE EVERY	PREVIOUS OPERATING TIME	INSTALLED AT	REPLACEMENT DUE AT	REMOVED	TIME ACCUMULATED	TOTAL OPERATING TIME
A			B	C	D	E	F TSO	G TSO	H	I	J
	COMPRESSOR ASSY.	735375	A-7202	P637449	HOURS	7638.0	0.0				
					CYCLES	11607.0	14374.0				
	FRONT HUB	748001A	8A4803	A-7202	8000	1768.4	0.0	6231.6			
					10000	6355.6	14374.0	18018.4			
	2ND STAGE	597402B	2B7046	A-7202	8000	1768.4	0.0	6231.6			
					8000	6335.6	14374.0	16038.4			
	3RD STAGE	410703R	G93329	A-7202	8000	0.0	0.0	8000.0			
					8000	0.0	14374.0	22374.0			
	4TH STAGE	448804L	3U1303	A-7202	8000	3000.0	0.0	5000.0			
					12000	3000.0	14374.0	23374.0			
	5TH STAGE	701505D	2Z8165	A-7202	8000	3114.6	0.0	4885.4			
					8000	2084.6	14374.0	20289.4			
	6TH STAGE	496706F	2Y6659	A-7202	8000	2478.3	0.0	5521.7			
					8000	1751.8	14374.0	20622.2			
	7TH STAGE	44807T	H64989	A-7202	8000	0.0	0.0	8000.0			
					10000	0.0	14374.0	24374.0			
	8TH STAGE	701108D	2Z6964	A-7202	8000	3023.5	0.0	4976.5			
					5000	2538.0	14374.0	16836.0			
	9TH STAGE	701409F	G32916	A-7202	8000	0.0	0.0	8000.0			
					8000	0.0	14374.0	22374.0			





Reason for Run: High MAQ

**J60 ENGINE FIELD MAINTENANCE TEST LOG**  
 (To be filed and maintained with Engine Historical Records)

DATE  
**3 FEB 84**

TARGET PTS	SERIAL NUMBER	BAROMETRIC PRESSURE	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	DATA PLATE
PART POWER <b>53.92</b>	<b>P637449</b>	<b>28.72</b>		<b>96.76</b>
MIL <b>58.20</b>	MODEL <b>J60 P3A</b>	AMBIENT TEMPERATURE <b>79</b>		ADJUSTED DATA PLATE <b>96.38</b>

TIME - START							
DURATION OF TEST PD	15	5	5	5	5	5	5
POWER LEVER SETTING	P/PNR	cold IDLE	NR	IDLE	NR	MIL	Not IDLE
N %	96.55	41.87				101.42	41.40
PTS	/					/	
THRUST	2328	100				2716	102
EXHAUST GAS TEMP	1035	998				1158	848
COMPRESSOR INLET TEMP	79	79				79	78
OIL TEMPERATURE			Test Cell Prop				
FUEL FLOW	2382	457				2860	441
FUEL INLET PRESSURE	9	16				5	16
OIL PRESSURE	47	44				49	44
BREATHER PRESSURE	0.1	0.1				0.2	0.1
VIBRATION INLET #1	1.5	0.5				1.5	0.4
VIBRATION INLET #2	1.3	0.3				1.4	0.3
VIBRATION TURBINE #3	0.9	0.3				1.3	0.4
VIBRATION ACC #4	0.9	0.5				1.0	0.5

ANTI ICE VALVE	OK	OK
BLEED VALVE	OPEN 79.9 %	CLOSE 80.7 %
ACCELERATION TIME	0.1	7.0 Breather SEC
FUEL SCREENS	Changed	
OIL SCREENS	Changed	
FUEL AND OIL LEAKS	None noted	
GENERATOR	NA	
HYDRAULIC SYSTEM	NA	
EGT SPREAD CHECK	1	Test
	2	Cell
	3	Prop

REMARKS  
 1) engine flushed and reserviced for 20-40-60 oil sample

OPERATOR **Bautista**      INSPECTOR **Bautista**

J60 ENGINE FIELD MAINTENANCE TEST LOG (To be filed and maintained with Engine Historical Records)							DATE 1 July 1983	
TARGET PTS	SERIAL NUMBER		BAROMETRIC PRESSURE			DATA PLATE		
PART POWER 53.9	QX7449		28.64			<input checked="" type="checkbox"/> ACCEPTED 96.76		
MIL 58.1	MODEL J60 P3A		AMBIENT TEMPERATURE 77			<input type="checkbox"/> REJECTED ADJUSTED DATA PLATE 97.75		
TIME - START 1230								
DURATION OF TEST PD	15	5	5	5	5	5	5	
POWER LEVER SETTING	P/PNR	C/IDLE	NR	IDLE	NR	MIL	H/IDLE	
N %	97.90	41.75				102.75	42.2	
PTS	53.9	/				58.1	/	
THRUST	2304	91				2600	94	
EXHAUST GAS TEMP	1076	842				1204	873	
COMPRESSOR INLET TEMP	77	74				77	77	
OIL TEMPERATURE	/	/				/	/	
FUEL FLOW	2465	423				2745	449	
FUEL INLET PRESSURE	8	16				2	16	
OIL PRESSURE	50	44				50	45	
BREATHING PRESSURE	0.1	0.1				0.1	0.1	
VIBRATION INLET #1	0.8	0.3				0.8	0.3	
VIBRATION INLET #2	0.8	0.2				0.9	0.2	
VIBRATION TURBINE #3	0.9	0.7				0.9	0.6	
VIBRATION ACC #4	2.1	0.4				2.7	0.3	
ANTI ICE VALVE	ok	ok	REMARKS					
BLEED VALVE	OPEN 78.4%	CLOSE 80.5%						
ACCELERATION TIME	0.8	6.5 SEC						
FUEL SCREENS	changed							
OIL SCREENS	changed.							
FUEL AND OIL LEAKS	OK							
GENERATOR	N/A							
HYDRAULIC SYSTEM	N/A							
EGT SPREAD CHECK	1	1319						
	2	1067						
	3	1253						
OPERATOR Vesnefski	INSPECTOR Vesnefski							