

MAINTENANCE & ENGINEERING FORMS

EARL NC

COMPONENT DESCRIPTION	PART No.	SERIAL No.
ENGINE PW121	3104500-01	

A/C REMOVAL INFORMATION		REASON FOR REMOVAL: LOW TORQUE INDICATION AT LOW POWER SETTINGS AND ENGINE VIBRATION AT HIGH POWER SETTINGS		
A/C TYPE: ATR42-320	A/C MSN:308	A/C REG:5H-ATR	POS:01	DATE:23-10-2014

COMPONENT HISTORY				
TSN:31866.48	CSN:32569	TSO:1507.97	CSO:1355	AVAILABLE LIFE:6492.03

WORKSCOPE	REPAIR
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ADDITIONAL REQUIREMENTS	PROVIDE TEAR DOWN REPORT
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	DATE SENT AWAY	LEAD TIME
REPAIR ORDER(O.R.O) Reference: REGIONAL ONE REPAIR ORDER #		

ORIGINATOR	NAME	SIGNATURE: <i>lca</i>	DATE:21.08.2017
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CHECKED: TMO <i>[Signature]</i> Date:	RECOMMENDED: MTS <i>[Signature]</i> Date: 21-08-17	APPROVED: TD <i>[Signature]</i> Date:
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1ST COPY: WITH ITEM

2ND COPY: TD

3RD COPY: FINANCE

4TH COPY: TMO

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MAINTENANCE & ENGINEERING

FORMS

ENGINE ACCESSORY LIST

ENGINE TYPE: PW121 ESN PCE-120599
 REMOVED FROM A/C REG: SH-ATR A/C. No. 308 Pos 1
 DATE REMOVED: 23/10/2014 STATION AAR WO 14515
 REASON FOR REMOVAL: Low Torque indication at low power settings and engine vibration at high power settings

S/N	ACCESSORY NAME	PART NUMBER	SERIAL NUMBER
1	E.E.C.U/E.C.U	789843-5-010	MISSING
2	M.F.C.U/H.M.U	786392-11L20	MISSING
3	A.F.U	-	-
4	FUEL PUMP	5009986B	MISSING
5	FUEL HEATER	10839F	-
6	IGNITION EXCITER, No. 1 (FWD)	9049400-1B	-
7	IGNITION EXCITER, No. 2 (AFT)	9049400-1	-
8	FLOW DIVIDER	26360-2	MISSING
9	WIRING HARNESS	311954-01	-
10	OIL COOLER	10839F	-
11	DATA COLLECTOR UNIT	-	-
12	BLEED VALVE(HBV)	-	-
13	SERVO VALVE	-	-
14	PUMP-OVERSPEED GOVERNOR	8210-280	-
15	OVERSPEED GOVERNOR	8210-161	-
16	TORQUE SIGNAL CONDITIONER	3118091-01	-
17	NP SENSOR	3039242	-
18	NH SENSOR	3039242E	-
19	NL SENSOR	3033509	-

Approved By.. [Signature] .. Title...
 Signature [Signature] Date 17/8/2017

Original Issue Date May, 2006	FORM: <u>PW-TS-1.145 Issue 1 Rev 2</u>	Responsible Manager Manager Technical Services	Revision Date: August, 2015	Page 1 of 1
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MAINTENANCE & ENGINEERING FORMS

ENGINE LIFE LIMITED PARTS REPORT

ENGINE TYPE: PW 121..... ENGINE S/N
~~INSTALLED ON / REMOVED FROM~~ A/C REG:..5H-ATR..... A/C MSN...308..... Pos ..01.....
 REPORT DATE: 23.10.2014.....ENGINE TSN = 31866.48..... CSN = 32569..... TSO = 1507.97....CSO = 1355.....

COMPONENTS	P/N	S/N	TOTAL COMPONENT CYCLES	FCF	ACCUMULATED COMPONENT TOTAL CYCLES	LIMIT	ACCUMULATED COMPONENT RESIDUAL CYCLES	ENGINE'S RESIDUAL FULL CYCLES
LP IMPELLER	3040689		8989	1	8989	25000	16011	16011
HP IMPELLER	3036065		16145	1	16145	30000	13855	13855
HP TURBINE FRONT COVER	3049049-01		4807	1	4807	15000	10193	10193
HP TURBINE DISC	3045591		4807	1	4807	15000	10193	10193
HP TURBINE REAR COVER	3041486		4807	1	4807	15000	10193	10193
INTERSTAGE AIR SEAL	3041474		1355	1	1355	15000	13645	13645
LP TURBINE DISC	3036212		15732	1	15732	30000	14268	14268
1st STAGE POWER TURBINE DISK	3038613		24678	1	24678	30000	5322	5322
2nd STAGE POWER TURBINE DISK	3033914		4807	1	4807	30000	25193	25193
HP TURBINE BLADES	3115301-01		1355	1	1355	15000	13645	13645

Prepared by (Signature and Date)

Approved By (Signature and Date)

Name:

Name:

Title: Senior Production Planning and Control Engineer

Title: Acting Manager Quality Engineering

Original Issue Date 30 th June, 2014	FORM: PW-TS-1.154 Issue 1 Rev 1	Responsible Manager	Revision Date: August, 2015	Page 1 of 1
		Manager Technical Services		

MAINTENANCE &

ENGINE FORMS

ENGINE RUN UP SHEET-ATR42 FORM

ATR42

ENGINE RUN UP SHEET

A/C REG. 5H-092

STATION: [REDACTED]

DATE: 03/21/2014

TRIM INDEX:

ENG 1

ENG 2

PORT: S/N [REDACTED]

ENGINE DATA

FH TSN = 386629

CYC (POST SB 21325)

D:S/N 121184

(POST SB 21325)

TSO = 1507:57

CSN = 32569

TSN = 24969:36

CYC CSN = 29804

CSO = 1355

TSO = 10012:35

CSO = 9423

OAT

PRESS. ALT

ATMOSPHERIC CONDITIONS

QNE/ELEV (FT)

WIND (KNT)

ENGINE PARAMETERS RECORDINGS

GI/FEATHER ECU ON BLEED OFF

GI/MAX RPM ECU ON BLEED OFF

GI/MAX RPM ECU ON BLEED OFF

O/S RTO/ECU ON BLEED OFF 70%

MAX REV ECU ON BLEED ON

RTO ECU OFF BLEED OFF

	GI/FEATHER ECU ON BLEED OFF		GI/MAX RPM ECU ON BLEED OFF		GI/MAX RPM ECU ON BLEED OFF		O/S RTO/ECU ON BLEED OFF		MAX REV ECU ON BLEED ON		RTO ECU OFF BLEED OFF	
	ENG 1	ENG 2	ENG 1	ENG 2	ENG 1	ENG 2	ENG 1	ENG 2	ENG 1	ENG 2	ENG 1	ENG 2
TQ (%)	1.8	13.8	3.5	61	1.5	17.7	70.3	70.1				
NP (%)	16.9	16.9	70.7	70.8	70.8	70.7	100.1	98.2				
ITT (°C)	413	436	496	482	484	485	749	685				
NH (%)	88.1	86.0	78.6	73.8	77.3	75.5	98.5	94.7				
FF (KG)	50	120	150	130	140	170	400	380				
OIL PRES (PSI)	60	60	60	60	60	60	60	60				
OIL TEMP (°C)	40	40	50	50	60	65	90	90				
CLA	FTR	FTR	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
PLA	GI	GI	GI	GI	FI	FI			MAX REV	MAX REV		

SERVICEABLE

ENGINEERING

A/C Reg. [REDACTED]

Component [REDACTED]

Hrs run [REDACTED]

Job No. 14515

Detect Low Torque Indications at Low Power Settings

And Excessive Vibrations at High Power Settings

Engineer's Licence No. [REDACTED]

Sign [REDACTED]

Serial [REDACTED]

Part No. 209500-01

Date 23/10/14

ADVANCE S FROM NOT DONE