



## ATR 42-320 MSN 032

### Aircraft Technical Specifications

Information Date :	06 May 2016	Aircraft Reg :	ZS - LUC
Aircraft Type :	ATR 42 - 320	Aircraft Serial No :	032
Aircraft Configuration:	Passenger	Current Operator:	Solenta Aviation
Date of Manufacture :	05 January 1987		
A/C Age (yrs) :	29.35		
Airframe Total Time:	34,276.11		
Airframe Total Cycles :	34,809.00		

#### ENGINES

Manufacturer : PRATT & WHITNEY  
Model : PW121

#### LH ENGINE (No 1)

#### RH ENGINE (No 2)

Manufacturer Type:	PW121	PW121
Manufacturer Serial Number:	120905	120508
Time Since New (TSN):	31,927.03	32,458.39
Cycles Since New (CSN):	34,619.00	28,931.00

#### Turbomachinery

#### RGB

#### Turbomachinery

#### RGB

MFG serial number :	120905	120905	120508	120508
Overhaul limit (mnths) :	n/a	n/a	n/a	n/a
Overhaul limit (fhrs) :	"On Condition"	"On Condition"	"On Condition"	"On Condition"
TSN :	31,927.03	31,927.03	32,458.39	32,458.39
CSN :	34,619.00	34,619.00	28,931.00	28,931.00
TSO :	5,427.03	5,427.03	5,729.39	10,059.59
CSO :	3,887.00	0.00	4,385.00	7,699.00
Time to next overhaul :	n/a	n/a	n/a	n/a
TSHSI :	3,121.63	n/a	858.99	n/a
Time to next HSI :	n/a	n/a	n/a	n/a

#### LH ENGINE (No 1) 120905

#### RH ENGINE (No 2) 120508

#### ENGINE ROTABLE - LIFE LIMITS

	<u>Limit</u>	<u>CSN</u>	<u>Remaining</u>	<u>Limit</u>	<u>CSN</u>	<u>Remaining</u>
PT Disk Stg 1	30,000	23,075	6,925	30,000	13,284	16,716
PT Disk Stg 2	30,000	21,186	8,814	30,000	18,873	11,127
HPT Cover Frnt	15,000	10,638	4,362	15,000	4,385	10,615
HPT Cover Rear	15,000	10,638	4,362	15,000	4,385	10,615
HP impeller	30,000	22,878	7,122	30,000	12,201	17,799
HP Turbine Disk	15,000	10,638	4,362	15,000	4,385	10,615
LP impeller	25,000	10,638	14,362	25,000	15,795	9,205
LP Turbine Disk	30,000	16,630	13,370	30,000	26,732	3,268
Interstage seal	15,000	10,638	4,362	15,000	4,385	10,615

Bertrand Lattes Aviation Consult – B.L.A.C

13 Rue des Tourterelles, 34130 SAINT AUNES, France Tel : +33.(0).9.81.71.02.02 Mobile : +33.(0).6.77.39.94.28

Mail: [bertrand.lattes@blaviationconsult.com](mailto:bertrand.lattes@blaviationconsult.com) Website : [www.blaviationconsult.com](http://www.blaviationconsult.com)



**PROPELLERS**

Manufacturer : HAMILTON SUNDSTRAND

Manufacturer Type	<u>LH PROP</u>		<u>RH PROP</u>	
	<u>ASSY</u>	<u>HUB</u>	<u>ASSY</u>	<u>HUB</u>
MFG serial number :	870321	376	870610	960
Type / Part number :	14SF-5	782701-5	14SF-5	782701-5
Overhaul limit (mnths):	n/a	84.00 mths	n/a	84.00 mths
Overhaul limit (fhrs) :	n/a	10,500.00	n/a	10,500.00
TSN :	27,718.10	4,580.50	28,016.10	4,580.50
TSO :	n/a	4,580.50	n/a	4,580.50
Time to next overhaul :	n/a	5,919.50	n/a	5,919.50
First installation date :	n/a	30/07/2009	n/a	30/07/2009
Next overhaul date :	n/a	26/07/2016	n/a	26/07/2016
Remaining months:	n/a	2.68 mths	n/a	2.68 mths

<u>LH PROP BLADE INFORMATION :</u>	<u>BLADE 1</u>	<u>BLADE 2</u>	<u>BLADE 3</u>	<u>BLADE 4</u>	<u>BLADE 5</u>	<u>BLADE 6</u>
Type / Part number :	SFA13M1R0A	SFA13M1R0A	SFA13U1POA	SFA13U1POA	n/a	n/a
MFG serial number :	857570	857269	200011016-5	888657-5	n/a	n/a
Overhaul limit (mnths):	84.00 mths	84.00 mths	84.00 mths	84.00 mths	n/a	n/a
Overhaul limit (fhrs) :	10,500	10,500	10,500	10,500	n/a	n/a
TSN :	8,179.24	36,183.08	7,200.33	28,215.85	n/a	n/a
TSO :	127.31	512.08	2,830.79	21.75	n/a	n/a
Time to next overhaul :	10,372.69	9,987.92	7,669.21	10,478.25	n/a	n/a
First installation date :	14/04/2015	18/05/2014	19/03/2010	05/03/2016	n/a	n/a
Next overhaul date :	10/04/2022	14/05/2021	15/03/2017	02/03/2023	n/a	n/a
Remaining months:	71.24 mths	60.35 mths	10.32 mths	81.96 mths	n/a	n/a

<u>RH PROP BLADE INFORMATION :</u>	<u>BLADE 1</u>	<u>BLADE 2</u>	<u>BLADE 3</u>	<u>BLADE 4</u>	<u>BLADE 5</u>	<u>BLADE 6</u>
Type / Part number :	SFA13MIROA+D	SFA13U1POA	SFA13M1R0A	SFA13MIROA+D	n/a	n/a
MFG serial number :	866142-5	2009110935	876769-5	865022-5	n/a	n/a
Overhaul limit (mnths):	84.00 mths	84.00 mths	84.00 mths	84.00 mths	n/a	n/a
Overhaul limit (fhrs) :	10,500	10,500	10,500	10,500	n/a	n/a
TSN :	4,580.50	5,805.83	929.56	32,074.30	n/a	n/a
TSO :	4,580.50	391.83	929.56	811.07	n/a	n/a
Time to next overhaul :	5,919.50	10,108.17	9,570.44	9,688.93	n/a	n/a
First installation date :	30/07/2009	03/09/2014	16/05/2013	25/10/2013	n/a	n/a
Next overhaul date :	26/07/2016	30/08/2021	12/05/2020	21/10/2020	n/a	n/a
Remaining months:	2.68 mths	63.90 mths	48.28 mths	53.61 mths	n/a	n/a

Bertrand Lattes Aviation Consult – B.L.A.C

13 Rue des Tourterelles, 34130 SAINT AUNES, France Tel : +33.(0).9.81.71.02.02 Mobile :+33.(0).6.77.39.94.28

Mail: [bertrand.lattes@blaviationconsult.com](mailto:bertrand.lattes@blaviationconsult.com) Website :[www.blaviationconsult.com](http://www.blaviationconsult.com)



<u>LANDING GEARS</u>	<u>LH-MLG</u>	<u>RH-MLG</u>	<u>NLG</u>
Manufacturer Serial Number	MN53 -L	MN53	B356
MFG Part number :	D22685040-16	D22686040-16	D22698100-8
Overhaul limit (cycles)	18,000	18,000	18,000
Overhaul limit (mnths):	96 mths	96 mths	96 mths
CSN :	32,064.00	32,064.00	14,566.00
CSO :	2,403.00	2,403.00	4,270.00
Cycles to next OH:	15,597.00	15,597.00	13,730.00
First installation date :	30/09/2011	04/10/2011	20/11/2009
Next OVH Date :	28/09/2019	02/10/2019	18/11/2017
Remaining months:	40.79 mths	40.92 mths	18.45 mths

#### SCHEDULED INSPECTIONS

<u>EVENT DESCRIPTION</u>	<u>LAST ACTUAL INSP</u>	<u>NEXT REQUIRED INSPECTION</u>	<u>INTERVAL</u>	<u>REMAINING</u>	<u>UOM</u>
Airframe SI (CY)	19/07/2015	18/07/2016	12 mths	2.40 mths	MONTH
Airframe SI (CAL) 2-year	27/04/2015	26/04/2017	24 mths	11.68 mths	MONTH
Airframe SI (CAL) 4-year	27/04/2015	26/04/2019	48 mths	35.69 mths	MONTH
Airframe SI (CAL) 8-year	27/04/2015	25/04/2023	96 mths	83.72 mths	MONTH
12 YEAR CHECK	14/06/2011	11/06/2023	144 mths	85.26 mths	MONTH
1C Checks	25/06/2012	n/a	5,000.00	3,211.12	FHRS
2C Checks	25/06/2012	n/a	10,000.00	8,211.12	FHRS
4C Checks	25/06/2012	n/a	20,000.00	3,204.89	FHRS
A - CHECK	27/04/2015	n/a	500.00	372.69	FHRS
18K CYCLE CHECK	25/06/2007	n/a	18,000.00	n/a	CYCLES
21K CYCLE CHECK	n/a	n/a	21,000.00	n/a	CYCLES
24K CYCLE CHECK	25/06/2012	n/a	24,000.00	n/a	CYCLES
27K CYCLE CHECK	n/a	n/a	27,000.00	n/a	CYCLES
33K CYCLE CHECK	25/06/2012	n/a	33,000.00	n/a	CYCLES
36K CYCLE CHECK	n/a	n/a	36,000.00	1,191.00	CYCLES

#### AIRCRAFT MAIN FEATURES

<u>AVIONICS</u>	<u>MANUFACTURER</u>	<u>TYPE</u>
ADF RECEIVER No1	BENDIX KING	KDF-806
ADF RECEIVER No2	BENDIX KING	KDF-806
AFSC COMPUTER	HONEYWELL	FZ-600
CVR	FAIRCHILD	2100-1020-02
DME TRANSCEIVER No1	BENDIX KING	KDM-706
DME TRANSCEIVER No2	BENDIX KING	KDM-706
EFIS SCREEN - LH BOTTOM	HONEYWELL	7003110-912
EFIS SCREEN - LH TOP	HONEYWELL	7003110-912
EFIS SCREEN - RH BOTTOM	HONEYWELL	7003110-912
EFIS SCREEN - RH TOP	HONEYWELL	7003110-912
ELT	KANNAD	S1820502-02
FDAU	ATR	36045172A01
FDR	FAIRCHILD	S800-2000-00
HF RADIO AMPLIFIER	KING	064-1017-00
HF RADIO CONTROLLER	KING	064-1016-01
HF RADIO EXCITOR	KING	KTR 953
MAIN BATTERY	HAWKER	9750W0538

*Bertrand Lattes Aviation Consult – B.L.A.C*

13 Rue des Tourterelles, 34130 SAINT AUNES, France Tel : +33.(0).9.81.71.02.02 Mobile :+33.(0).6.77.39.94.28

Mai: [bertrand.lattes@blaviationconsult.com](mailto:bertrand.lattes@blaviationconsult.com) Website :[www.blaviationconsult.com](http://www.blaviationconsult.com)



MULTI COLOUR DISPLAY - GNSS No 1	GE AVIATION	01/12/2882
MULTI PURPOSE COMPUTER	SAGEM	ED35E109-01-05
NAV RECEIVER No1	BENDIX KING	KNR-634
NAV RECEIVER No2	BENDIX KING	KNR-634
PRIMARY GPS	GARMIN	011-00106-01
RADIO ALTIMETER TRANSCEIVER	COLLINS	9599-607-14562
TAWS INDICATOR	SANDELL	ST3400
TCAS TRANSCIEVER	COLLINS	TTR-920
TRANSPONDER MODE S No1	COLLINS	622-9210-005
TRANSPONDER MODE S No2	COLLINS	TDR 94D
VHF COMMS TRANSCEIVER No1	COLLINS	VHF 22A/B
VHF COMMS TRANSCEIVER No2	COLLINS	VHF 22C
WX ANTENNA	HONEYWELL	MI-585353
WX TRANSCEIVER	HONEYWELL	MI-585350-5

*Bertrand Lattes Aviation Consult – B.L.A.C*

*13 Rue des Tourterelles, 34130 SAINT AUNES, France Tel : +33.(0).9.81.71.02.02 Mobile :+33.(0).6.77.39.94.28*

*Mail: [bertrand.lattes@blaviationconsult.com](mailto:bertrand.lattes@blaviationconsult.com) Website :[www.blaviationconsult.com](http://www.blaviationconsult.com)*