



Technical Specification

ATR 42 - 500

MSN 532



picture taken during lease to last operator

Specification ATR42 MSN 532
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STATEMENTS AND DATA AS OF 21st February 2016

GENERAL DATA

Aircraft Model	ATR42-500
Manufacturers Serial No.	532
Date of First Flight	Oct 1997
Month / Year of First Delivery	Oct 1997
Current Operator	Satena
Current Registration	HK-4827
Total F/H since new	24,684
Total Cycles since new	27,775

WEIGHT OF THE AIRCRAFT

	kg	lbs
MTOW	18,600	41,005
MLW	18,300	40,344
MZFW	16,700	36,817
OEW (depending on Operator's Data) approx.	11,800	26,015
MAXIMUM FUEL	4,500	9,920

AIRFRAME MAINTENANCE PROGRAM

Summarized Description of the Maintenance Program (Designation of Checks and current Intervals)

MPD / MRB Rev. Status	Rev. 16, Oct 2015 / Rev. 17, Jun 2015
Type of Maintenance Program	block
Last approval authority	Colombian DGAC
A Check Interval	500 FH (MPD reference)
C Check Interval	5.000h (1 C to 4 C) (MPD reference)
YR Check Interval	1 Year (1 YR to 12 YR) (MPD reference)



CHECK PACKAGE OVERVIEW

Check Package	last performed			next due FH / Date	remaining FH / Cy / Month
	Date	FH	CY		
1 A		24,684		25,184 FH	500 FH
2 A		24,684		25,684 FH	1,000 FH
3 A		24,684		26,184 FH	1,500 FH
4 A		24,684		26,684 FH	2,000 FH
1 C		24,684		29,684 FH	5,000 FH
2 C	15. Feb 2014	21,576		31,576 FH	6,892 FH
4 C	18. May 2008	16,064		36,064 FH	11,380 FH
I: 1 YE	11. Dec 2015	24,496		Dec 2016	10 months
I: 2 YE	08. Aug 2015	23,962		Aug 2017	18 months
T: 2 YE / I: 2 YE	08. Aug 2015	23,962		Aug 2017	18 months
I: 4 YE	16. Dec 2013	21,576		Dec 2017	22 months
T: 4 YE / I: 2 YE	09. Aug 2015	23,962		Aug 2017	18 months
T: 4 YE / I: 4 YE	16. Dec 2013	21,576		Dec 2017	22 months
I: 8 YE	16. Dec 2013	21,576		Dec 2021	70 months
T: 8 YE / I: 4 YE	16. Dec 2013	21,576		Dec 2017	22 months
T: 8YE / I: 8 YE	16. Dec 2013	21,576		Dec 2021	70 months
I: 12 YE	31. Mar 2010	16,703		Mar 2022	73 months
T: 12 YE / I: 12 YE	17. Dec 2005			Dec 2017	22 months
T: 3000 FL / I: 3000 FL	25. Nov 2015		27,429	30,429	2,654 Cy
T: 18000 FL / I: 6000 FL	20. Apr 2014		23,965	29,965	2,190 Cy
T: 24000 FL / I: 3000 FL	05. Jul 2015		26,608	29,608	1,833 Cy
T: 24000 FL / I: 6000 FL	22. Jan 2014		23,621	29,621	1,846 Cy
T: 24000 FL / I: 12000 FL	13. Feb 2014		23,621	35,621	7,846 Cy
T: 36000 FL / I: 3000 FL	--	--	--	36,000	8,225 cy
T: 36000 FL / I: 6000 FL	--	--	--	36,000	8,225 cy
T: 36000 FL / I: 9000 FL	--	--	--	36,000	8,225 cy
T: 36000 FL / I: 12000 FL	--	--	--	36,000	8,225 cy
T: 36000 FL / I: 18000 FL	--	--	--	36,000	8,225 cy
T: 36000 FL / I: 24000 FL	--	--	--	36,000	8,225 cy



COMPONENTS AND EQUIPMENT

ENGINES (On Condition)

	No. 1 (LH)	No.2 (RH)
Manufacturer P/N	PW127F derated to PW127E	PW127E
Serial No.	AM0059	AM0076
Time since new (TSN)	21,305	17,537
Cycles since new (CSN)	23,743	19,917
Time since Overhaul (TSO)	6,533	7,311
Cycles since Overhaul (CSO)	tba	tba
Time to next Overhaul	on condition	on condition
Time since last HSI	532	4,070
Time to next HSI	on condition	on condition
Cycles remaining to next LLP	5,653	3,868
Engine Oil Type	Mobil Jet Oil II	Mobil Jet Oil II



Life Cycle Fatigue Parts

Engine S/N AM0059

Description	Part No.	Serial No.	FCF	Note	Total Cycle Limit	Start Cycles	Installed at Engine CSN	Remaining Cycles
Impeller, LP	3039487	A002C9F7	tba		15,000	0	14,396	5,653
Impeller, HP	3043293	A002DET9	tba		15,000	0	14,396	5,653
Cover, HP, Turbine Front	3039640	A003MDL0	tba		15,000	0	23,047	14,200
Disk, HPT	3041511	A002E3PK	tba		15,000	0	14,396	5,653
HPT Blades	3115601-01	Various	tba		15,000	0	14,396	5,653
Cover, HP, Turbine Rear	3039639	A002E7R6	tba		15,000	0	14,396	5,653
Seal, Air Interstage	3039172	UAAB8708	tba		15,000	0	17,308	8,391
Disk, LPT	3039412	A002E58A	tba		15,000	0	14,396	5,653
Disk, 1 ST Stage	3038513	40B159	tba		30,000	14,396	0	6,257
Disk, 2 ND Stage	3033914	40B078	tba		30,000	14,396	0	6,257

Note: The flight count factor (FCF) has been taken into account for calculation of remaining cycles



Life Cycle Fatigue Parts

Engine S/N AM0076

Description	Part No.	Serial No.	FCF	Note	Total Cycle Limit	Start Cycles	Installed at Engine CSN	Remaining Cycles
Impeller, LP	3039487	tba	tba		15,000	tba	tba	13,657
Impeller, HP	3043293	tba	tba		15,000	tba	tba	13,657
Cover, HP, Turbine Front	3039640	tba	tba		15,000	tba	tba	3,868
Disk, HPT	3041511	A002BK11	tba		15,000	0	9,568	4,651
HPT Blades	3115601-01	Various	tba		15,000	tba	tba	tba
Cover, HP, Turbine Rear	3039639	A002B31Y	tba		15,000	0	9,568	4,651
Seal, Air Interstage	3039172	tba	tba		15,000	tba	tba	13,523
Disk, LPT	3039412	tba	tba		15,000	tba	tba	9,870
Disk, 1 ST Stage	3038513	46B570	tba		30,000	0	0	10,083
Disk, 2 ND Stage	3033914	50B082	tba		30,000	0	0	10,083

Note: The flight count factor (FCF) has been taken into account for calculation of remaining cycles



PROPELLERS (TBO 10.500 hours)

	No. 1 (LH)	No. 2 (RH)
Propeller Model	HS568F	HS 568F
Manufacturer P/N	815500-3	815500-3
Serial No.	FR970351	FR971219
TSN	22,956	21,497

ASSY No. 1 (LH)

	Hub	Transfer Tube	Nut Adj.	Actuator	Blade No. 1
P/N	815470-2	815587-1	814754-1	815585-7	R815505R3W
S/N	531	tba	tba	20050112	FR200812016RT
TSN / TSO	tba / 9,841	tba	tba	6,168	4,379
Time to Overhaul	858	tba	tba	4,331	6,120
Calendar Due Date	05/2017	tba	tba	n/a	03/2020

	Blade No. 2	Blade No. 3	Blade No. 4	Blade No. 5	Blade No. 6
P/N	R815505R3W	R815505R3W	R815505R3W	R815505R3W	R815505R3W
S/N	FR20080529RT	FR20020320RT	FR1294	FR2228	FR2583
TSN / TSO	tba / 4,379	tba / 4,193	tba / 3,916	tba / 3,221	tba / 1,594
Time to Overhaul	6,120	6,306	6,583	7,278	8,905
Calendar Due Date	03/2020	05/2020	03/2020	11/2020	02/2022

ASSY No. 2 (RH)

	Hub	Transfer Tube	Nut Adj.	Actuator	Blade No. 1
P/N	815470-2	815587-1	814754-1	815587-2	R815505-3
S/N	20090313	tba	tba	951113	FR20040621RT
TSN / TSO	tba / 8,024	tba	tba	tba / 8,662	tba / 7,126
Time to Overhaul	2,475	tba	tba	1,837	3,373
Calendar Due Date	04/2017	tba	tba	n/a	08/2018

	Blade No. 2	Blade No. 3	Blade No. 4	Blade No. 5	Blade No. 6
P/N	R815505R3W	R815505R3W	R815505R3W	R815505R3W	R815505R3W
S/N	FR828	FR200912023RT	FR200808037RT	FR444	FR200711032RT
TSN / TSO	tba / 3,942	tba / 2,242	tba / 229	tba / 2,193	tba / 1,311
Time to Overhaul	6,557	8,257	10,270	8,306	9,188
Calendar Due Date	06/2020	09/2021	12/2022	09/2021	04/2022

LANDING GEAR (18.000 cy / 9 years)

	NLG Leg	NLG Drag Brace	MLG (LH)	MLG (RH)
Manufacturers P/N	D22698500-3		D22685500-5	D22686500-5
Serial No.	B287		MN353	MN353
Cycles since new	26,763	27,689	27,689	27,689
Cycles since Overhaul	0	will be fresh overhauled		
Cycles to next Overhaul	18,000	18000		
Date to Overhaul	Dec 2024	9 YE remaining		



AVIONICS

Equipment	Manufacturer	Type	P/N	Qty
ADC	Honeywell	AZ-810	7000700-961	2
ADF	Collins	ADF-60	622-2362-001	1
AFCS	Honeywell	SPZ6000	7003974-608	1
AHRU	Honeywell	AH-600	7003360-946	2
ATC Transp. Mode S	Collins	TDR-94D	622-9210-007	2
Multifunction Computer	Aerospatiale		LA4E20606HM0100	2
SSCVR	L3 / Fairchild	A200S	S200-012-00	1
SSFDR	L3 / Fairchild	F1000	S800-2000-00	1
DME	Collins	DME-42	622-6263-003	2
EFIS Displays	Honeywell	ED-800	7003110-912	4
ELT	Socata	ELT96	ELT96A2560000000	1
Barometric Altimeter	Honeywell	BA-141	4016341-906	2
FDAU	SFIM		ED34A330	1
GNSS	Honeywell	HT1000	82165-10-005	1
EGPWS	Sundstrand	MK VIII	965-1206-014	1
Radio Altimeter	TRT	AHV8	9599-607-14562	1
RMI	Litton		520-3337-213	2
TCAS II	Collins	TTR-921	822-1293-002	1
VHF COM	Collins	VHF-22A	622-6152-011	2
VOR/ILS/MKR	Collins	VIR-32A	622-6137-001	2
HF COM	Honeywell Bendix-King	KHF 950	061-1015-00	1
WEATHER RADAR	Honeywell	WR-800	MI585350-5	1
MPC	Sagem	ED35E	ED35E109-01-05	1

CABIN LAYOUT

Passenger Seats	44	32"
Seat Manufacturer	Avio Interiors	Leather
Galley Description	2 Hot Jugs, Half Size Trolleys, Standard Units	

CARGO LAYOUT

Front Cargo	TBD
Aft Cargo	TBD



Picture taken at previous operator



