

Airframe

AIRCRAFT TECHNICAL DATA

- 1. OWNER : CAA (Compagnie Africaine d'Aviation)
- 2. AIRCRAFT TYPE : ATR 72-212A
- 3. YEAR OF MANUFACTURE : 02 March 2004
- 4. REGISTRATION : 9S-ABD
- 5. MANUFACTURER SERIAL NUMBER : 0706
- 6. FUSELAGE SERIAL NUMBER :-
- 7. A/C MAIN BASE : KINSHASA
- 8. NOISE COMPLIANCE :-
- 9. VALIDITY OF DOCUMENTS : - CDN: 26-Feb-2022
 - LSR: 26-Feb-2022

10. OPERATING WEIGHT

ITEM	VALUE
MAXI TAXI WEIGHT	22 970 Kg
MAXI TAKEOFF WEIGHT (MTOW)	22 800 Kg
MAXI LANDING WEIGHT (MLW)	22 350 Kg
MAXI ZERO FUEL WEIGHT (MZFW)	20 300 Kg
OPERATING EMPTY WEIGHT	13 235 Kg
PAYLOAD	6 025 Kg
FUEL CAPACITY	5 000 Kg

11. CONFIGURATION : FULL PAX (68)

ITEM	VALUE
GALLEY	1
TOILET	1

12. A) AIRCRAFT LAST WEIGHT AND BALANCE REPORT	: 1-Mar-2019
B) AIRCRAFT NEXT WEIGHT AND BALANCE REPORT	: 1-Mar-2023

13. AIRFRAME AS OF: 15-Sep-2021

ITEM	VALUE
TOTAL TIME	30 712,12 FHRS
TOTAL CYCLE	29 492,00 CYC
TIME SINCE "5 000 FH" CHECK	3 828,12 FHRS 3094 CYC 1101 Days
LAST "5 000 FH" CHECK PERFORMED	10-Sep-2018
LAST "10 000 FH" CHECK PERFORMED	10-Sep-2018

Airframe

14. MAINTENANCE PROGRAM AS OF: 15-Sep-2021

A. SYSTEMS AND POWER PLANT MAINTENANCE PROGRAM

ITEM	INTERVAL CHECK
"1A" CHECK	750,00 FH
"2A" CHECK	1 500,00 FH
"3A" CHECK	2 250,00 FH
"4A" CHECK	3 000,00 FH
"1C" CHECK	5 000,00 FH
"2C" CHECK	10 000,00 FH

ITEM	LAST ACCOMPLISHMENT	NEXT DUE	REMAINING
"750 FH" CHECK	Date : 25-May-2021 FHRS: 30 156,58 CYC: 29 028	FHRS : 30 906,58	FHRS : 194,46
"1 500 FH" CHECK	Date : 14-Jun-2021 FHRS: 30 293,18 CYC: 29 124	FHRS : 31 793,18	FHRS : 1 081,06
"2 250 FH" CHECK	Date : 16-Aug-2021 FHRS: 30 640,86 CYC: 29 450	FHRS : 32 890,86	FHRS : 2 178,74
"3 000 FH" CHECK	Date : 26-Jun-2020 FHRS: 28 756,36 CYC: 27 951	FHRS : 31 756,36	FHRS : 1 044,24
"5 000 FH" CHECK	Date : 10-Sep-2018 FHRS: 26 884,33 CYC: 26 398	FHRS : 31 884,33	FHRS : 1 172,21
"10 000 FH" CHECK	Date : 10-Sep-2018 FHRS: 26 884,33 CYC: 26 398	FHRS : 36 884,33	FHRS : 6 172,21

B. STRUCTURAL MAINTENANCE PROGRAM

ITEM	INTERVAL CHECK
"1 YEARS"CHECK	12 MONTHS / 365 Days
"2 YEARS"CHECK	24 MONTHS / 730 Days
"4 YEARS"CHECK	48 MONTHS / 1 460 Days
"8 YEARS" CHECK	96 MONTHS / 2 880 Days
"12 YEARS" CHECK	144 MONTHS / 4 380 Days

ITEM	LAST ACCOMPLISHMENT	NEXT DUE	REMAINING
"1 YEARS" CHECK	Date : 8-Sep-2021 FHRS: 30 712,12 CYC: 29 492	Date : 8-Sep-2022	Days: 358
"2 YEARS" CHECK	Date : 31-Jul-2020 FHRS: 28 873,76 CYC: 28 027	Date : 31-Jul-2022	Days: 319
"4 YEARS" CHECK	Date : 31-Jul-2020 FHRS: 28 873,76 CYC: 28 027	Date : 31-Jul-2024	Days: 1050
"8 YEARS" CHECK	Date : 31-Jul-2020 FHRS: 28 873,76 CYC: 28 027	Date : 31-Jul-2028	Days : 2 511,00
"12 YEARS" CHECK	Date : 2-Dec-2015 FHRS: 23 331,56 CYC: 22 273	Date : 2-Dec-2027	Days : 2 269,00

15. ENGINES
THRUST RATING

MSN: 0706

MANAGEMENT MODE : ON CONDITION

A. ENGINES AS OF: 15-Sep-2021

ITEM TYPE	ENGINE #1 PW 127 F		ENGINE #2 PW 127 F	
	T.T.M EB0030	GEAR BOX EB0030	T.T.M EB0010	GEAR BOX EB0010
TOTAL TIME	32 061,29	32 061,29	31272,82	31272,82
TOTAL CYCLE	30 165	30 165	28 529	28 529
DATE LAST OVH	26-Mar-2014	26-Mar-2014	28-Feb-2014	28-Feb-2014
TIME SINCE OVH	8 781,09	8 781,09	7 775,22	7 775,22
CYCLE SINCE OVH	9 932	9 932	7 983	7 983
DATE LSV	15-Sep-2017	15-Sep-2017	-	-
TIME SINCE LSV	4 601,29	4 601,29	-	-
CYCLE SINCE LSV	4 271	4 271	-	-
	15 000	30 000	15 000	30 000
FIRST LIMITER (in FC)	HPT FRONT COVER 2 601,85	DISK, PT STG 2 3 730	LP TURBINE DISK 4 671	PT DISK 2nd Stage 5 587

B. ENGINE MAINTENANCE PROGRAM AS OF: 15-Sep-2021

ITEM	INTERVAL	
ECTM	DAILY/FLIGHT	
BORESCOPE	1 500	FHRS #1
BORESCOPE	1 500	FHRS #2

ITEM	LAST ACCOMPLISHMENT		NEXT DUE		REAMING	
	ENGINE #1	ENGINE #2	ENGINE #1	ENGINE #2	ENGINE #1	ENGINE #2
BORESCOPE (in FHRS)	26-Apr-2021 31 279,95	- 31189,96	32 779,95	32689,96	718,66	1416,27

16. PROPELLERS AS OF : 15-Sep-2021

NOMENCLATURE	P/N	S/N	INTERVAL	TOTAL HOURS	INSTALL DATE	MAN-OVH FUC DATE	USED	REMAINING
PROP ASSY LH	815500-3	FR20010250		RAS				
PROP ASSY RH	815500-3	FR20020451		RAS				
HUB PROPELLER	815470-2	154	10 500 FH	34 899,27	23-juil.-2018	31074,48	3 827,80	6 672,20
			7 YE			20-juin-17	1150	1 407
HUB PROPELLER	815470-2	2011120114	10 500 FH	14 287,80	1-août-2018	10463	3 827,80	6 672,20
			7 YE			21-déc-17	1141	1 416
PROP BLADE #1 (LH)	R815505-6	FR201601134RT	10 500 FH	6 859,52	17-avr.-2016	New Manuf date	6 859,52	3 640,48
			7 YE			10-févr-16	1977	580
PROP BLADE #1 (RH)	R815505-6	FR20070567RT	10 500 FH	22 488,22	20-nov.-2017	18030,88	4 457,34	6 042,66
			7 YE			23-oct-17	1395	1 162
PROP BLADE #2 (LH)	R815505S3W	FR20020731RT	10 500 FH	25 995,58	29-juin-2016	18 593,30	7 402,28	3 097,72
			7 YE			27-juin-15	1904	653
PROP BLADE #2 (RH)	R815505-6	FR201601119RT	10 500 FH	6 859,52	17-avr.-2016	New Manuf date	6 859,52	3 640,48
			7 YE			10-févr-16	1977	580
PROP BLADE #3 (LH)	R815505-6	FR200802031RT	10 500 FH	7 903,43	4-août-2015	4078,63	7 903,43	2 596,57
			7 YE			03-juil-15	2234	323
PROP BLADE #3 (RH)	R815505-6	FR201602044RT	10 500 FH	6 871,92	30-mars-2016	New Manuf date	6 871,92	3 628,08
			7 YE			18-févr-16	1995	562
PROP BLADE #4 (LH)	R815505S3W	FR20011235RT	10 500 FH	35 792,02	15-janv.-2015	27 042	8 750,02	1 749,98
			7 YE			29-oct-14	2435	122
PROP BLADE #4 (RH)	R815505-6	FR201009038RT	10 500 FH	14 754,30	9-janv.-2018	10458,9	4 295,40	6 204,60
			7 YE			12-déc-17	1345	1 212
PROP BLADE #5 (LH)	R815505-6	FR201503091RT	10 500 FH	9 079,65	25-mars-2015	New Manuf date	9 079,65	1 420,35
			7 YE			25-mars-15	2366	191
PROP BLADE #5 (RH)	R815505-6	FR201108070RT	10 500 FH	17 283,85	17-avr.-2016	10424,34	6 859,52	3 640,48
			7 YE			01-avr-16	1977	580
PROP BLADE #6 (LH)	R815505S3W	FR20020487RT	10 500 FH	19 546,98	6-nov.-2015	12 150	7 396,98	3 103,02
			7 YE			05-août-15	2140	417
PROP BLADE #6 (RH)	R815505-6	FR201601160RT	10 500 FH	6 859,52	17-avr.-2016	New Manuf date	6 859,52	3 640,48
			7 YE			18-févr-16	1977	580
LH TRANSER TUBE	815587-1	20071032	12 100 FH	17 135,92	14-mars-2019	13311,36	3 827,79	8 272,21
RH TRANSER TUBE	815587-1	960313	12 100 FH	3 827,55	14-mars-2019	New Manuf date	3 827,55	8 272,45
LH ACTUATOR	815587-1	20071032	10 500 FH	17 135,92	14-mars-2019	13311,36	3 827,79	6 672,21
RH ACTUATOR	815587-1	960313	10 500 FH	3 827,55	14-mars-2019	New Manuf date	3 827,55	6 672,45
LH ADJUSTING	814754-1	9910097	10 500 FH	3 827,55	14-mars-2019	New Manuf date	3 827,55	6 672,45
RH ADJUSTING	814754-1	164	10 500 FH	3 827,55	14-mars-2019	New Manuf date	3 827,55	6 672,45

17. LANDING GEAR AS OF: 15-Sep-2021

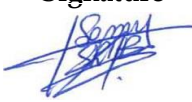
ITEM	NOSE LANDING GEAR	LEFT MAIN LANDING GEAR	RIGHT MAIN LANDING GEAR
P/N	D22698172-107	D23189000-23	D23190000-24
S/N	B399	MN669	MN724
CSN	27 927 CYC	16 871 CYC	16 871 CYC
OVH DATE	25-Sep-2017	N/A	N/A
INTERVAL (DBO/CBO)	3 287 DAYS	3 287 DAYS	3 287 DAYS
	20 000 CYC	20 000 CYC	20 000 CYC
DSO/CSO	1 451 DAYS	3 240 DAYS	2 998 DAYS
	4 062 CYC	16 871 CYC	16 871 CYC
REMAINING	1 836 DAYS	47 DAYS	289 DAYS
	15 938 CYC	3 129 CYC	3 129 CYC

18. AIRCRAFT PERFORMANCE

ITEM	VALUE
FUEL CONSUMPTION	762 Kgs/h
MAXIMUM SPEED	250 Kts
CRUISING SPEED	IAS=161 Kts TAS=230 Kts
REAL CIELING ALL ENGINES OPERATIVE	FL 220
REAL CIELING ONE ENGINE OPERATIVE	FL 140
DISTANCE NECESSARY FOR THE TAKEOFF	
DISTANCE NECESSARY FOR THE LANDING	660 m(Dry)-1 560 m(ICE)
HEIGHT OF CRUISE (MAX FLIGHT LEVEL)	FL 220
RATE OF CLIMB	1 374 ft/min

20. AVIONICS EQUIPMENT

ATA	DESCRIPTION OF COMPONENT	QTY	PART NUMBER	MANUFACTURER
ATA 22_AUTOPILOT SYSTEM				
22	AUTOPILOT (AP/FD)	1	7003974-606	HONEYWELL
ATA 23_COMMUNICATIONS				
23	VHF VERY HIGH FREQUENCY COMM	2	822-1113-021	COLLINS
23	RCAU REMOTE CONTROL AUDIO UNIT	1	CAU2533AC01	TEAM
23	VOR/ILS VHF OMNIDIRECTIONAL RANGE	2	622-6137-201	COLLINS
23	CVR COCKPIT VOICE RECORDER	1	2100-1220-02	ROCKWELL COLLINS
ATA 25_EMERGENCY LOCATOR TRANSMITTER				
25	ELT EMERGENCY LOCATOR TRANSMITTER	1	1327-82	CHELTON
ATA 31_INDICATING/RECORDING SYSTEMS				
31	FDR FLIGHT DATA RECORDER INDICATING	1	360-00449-100	FAIRCHILD
31	CAP CREW ALERT PANEL	1	351-35848-102	AEROSPATIALE
AATA 34_NAVIGATION				
34	TCAS PROCESSOR TRAFFIC COLLISION AVOIDANCE SYSTEM	1	822-1293-002	COLLINS
34	WRT WEATHER RADAR TRANSCEIVER	1	7021450-601	HONEYWELL
34	EFIS ELECTRONIC FLIGHT INSTRUMENT SYSTEM	2	7005819-506	HONEYWELL
34	ATC (MODE S) ATC TRANSPONDER	2	622-9210-007	COLLINS
34	RADIO ALT RADIO ALTIMETER	1	9599-607-12352	TRT
34	DME DISTANCE MEASUREMENT EQUIPMENT INTERROGATOR	2	622-6263-003	COLLINS
34	ADF ADF RECEIVER	2	622-2362-001	COLLINS
34	ADC AIR DATA COMPUTER	2	7000700-961	HONEYWELL
34	AHRU ATTITUDE&HEADING REFERENCE UNIT	2	7003360-946	HONEYWELL
34	EGPWS ENHANCED GROUND PROXIMITY WARNING SYSTEM	1	965-1206-006	HONEYWELL
34	GPS GNSS GLOBAL POSITIONING SYSTEM GLOBAL NAV SATELLITE	1	82425-00-0060	HONEYWELL
36	SG SYMBOL GENERATOR	2	7004544-714	HONEYWELL

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