

Airframe

**AIRCRAFT TECHNICAL DATA**

1. OWNER : CAA (Compagnie Africaine d'Aviation)
2. AIRCRAFT TYPE : ATR 72-212A
3. YEAR OF MANUFACTURE : 18 December 2007
4. REGISTRATION : 9S-AIB
5. MANUFACTURER SERIAL NUMBER : 0775
6. FUSELAGE SERIAL NUMBER : -
7. A/C MAIN BASE : KINSHASA
8. NOISE COMPLIANCE : -
9. VALIDITY OF DOCUMENTS : - CDN: 10-Nov-2021  
- LSR: 10-Nov-2021
10. INSURANCE : 01 August 2022

11. OPERATING WEIGHT

ITEM	VALUE
MAXI TAXI WEIGHT	22 670 Kgs
MAXI TAKEOFF WEIGHT (MTOW)	22 500Kgs
MAXI LANDING WEIGHT (MLW)	22 350 Kgs
MAXI ZERO FUEL WEIGHT (MZFW)	20 300 Kgs
OPERATING EMPTY WEIGHT	11 775 Kgs
PAYLOAD	8 525 Kgs
FUEL CAPACITY	5 000 Kgs

12. CONFIGURATION : FULL CARGO

ITEM	VALUE
GALLEY	N/A
TOILET	N/A

13. A) AIRCRAFT LAST WEIGHT AND BALANCE REPORT : 15-Sep-2020
- B) AIRCRAFT NEXT WEIGHT AND BALANCE REPORT : 15-Sep-2024

14. AIRFRAME AS OF: 19-Sep-2021

ITEM	VALUE					
TOTAL TIME	32220,60		FHRS			
TOTAL CYCLE	28677		CYC			
TIME SINCE "5 000 FH" CHECK	574,60	FHRS	362	CYC	361	Days
LAST "5 000 FH" CHECK PERFORMED	23-Sep-2020					
LAST "10 000 FH" CHECK PERFORMED	14-Nov-2015					

Airframe

15. MAINTENANCE PROGRAM AS OF: 19-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 : 23-Sep-2020 FHRS: 31 646,00 CYC: 28 315	FHRS : 32 396,00	FHRS : 175,40
"1 500 FH" CHECK	Date : 23-Sep-2020 FHRS: 31 646,00 CYC: 28 315	FHRS : 33 146,00	FHRS : 925,40
"2 250 FH" CHECK	Date : 23-Sep-2020 FHRS: 31 646,00 CYC: 28 315	FHRS : 33 896,00	FHRS : 1 675,40
"3 000 FH" CHECK	Date : 23-Sep-2020 FHRS: 31 646,00 CYC: 28 315	FHRS : 34 646,00	FHRS : 2 425,40
"5 000 FH" CHECK	Date : 23-Sep-2020 FHRS: 31 646,00 CYC: 28 315	FHRS : 36 646,00	FHRS : 4 425,40
"10 000 FH" CHECK	Date : 23-Sep-2020 FHRS: 31 646,00 CYC: 28 315	FHRS : 41 646,00	FHRS : 9 425,40

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 : 23-Sep-2020 FHRS: 31 646,00 CYC: 28 315	Date : 23-Sep-2021	Days: 4
"2 YEARS" CHECK	Date : 23-Sep-2020 FHRS: 31 646,00 CYC: 28 315	Date : 23-Sep-2022	Days: 369
"4 YEARS" CHECK	Date : 23-Sep-2020 FHRS: 31 646,00 CYC: 28 315	Date : 23-Sep-2024	Days: 1100
"8 YEARS" CHECK	Date : 14-Nov-2015 FHRS: 23 844,00 CYC: 20 084	Date : 14-Nov-2023	Days : 786,00
"12 YEARS" CHECK	Date : 23-Sep-2020 FHRS: 31 646,00 CYC: 28 315	Date : 23-Sep-2032	Days : 4 022,00

A. ENGINES AS OF: 19-Sep-2021

ITEM TYPE	ENGINE #1 PW 127 F		ENGINE #2 PW 127 F	
	T.T.M ED0030	GEAR BOX ED0030	T.T.M EB0342	GEAR BOX EB0342
SERIAL NUMBER				
TOTAL TIME	27 350,12	27 350,12	26 590,63	26 590,63
TOTAL CYCLE	23 226	23 226	22 891	22 891
DATE LAST OVH	15-Mar-2014	15-Mar-2014	21-Dec-2013	21-Dec-2013
TIME SINCE OVH	12 573,12	12 573,12	12 375,63	12 375,63
CYCLE SINCE OVH	11 231	11 231	11 471	11 471
DATE LSV	21-May-2018	21-May-2018	21-May-2020	21-May-2020
TIME SINCE LSV	2 537,12	2 537,12	574,23	574,23
CYCLE SINCE LSV	2 185	2 185	362	362
	15 000	30 000	15 000	30 000
FIRST LIMITER (in FC)	LP IMPELLER	DISK, PT STG 1 AND 2	SEAL, AIR INTER. STG	PT Disk1 nd 2 Stage
	3 769	6 774	11 455,00 Valeur réelle 9 164,00	7 109

B. ENGINE MAINTENANCE PROGRAM AS OF: 19-Sep-2021

ITEM	LAST ACCOMPLISHMENT		NEXT DUE		REAMING	
	ENGINE #1	ENGINE #2	ENGINE #1	ENGINE #2	ENGINE #1	ENGINE #2
ECTM	DAILY / FLIGHT					
BORESCOPE	1 500 FHRS					
BORESCOPE (in FHRS)	14-Apr-2021 26 779,68	14-Apr-2021 26 020,20	28 279,68	27 520,20	929,56	929,57

## 17. PROPELLERS AS OF : 19-Sep-2021

NOMENCLATURE	P/N	S/N	INTERVAL	TOTAL HOURS	INSTALL DATE	MAN-OVH FUC DATE	USED	REMAINING
LH Propeller Assy	568F-1	FR20071058	N/A	22 381,80	20/04/2017	N/A	N/A	N/A
RH Propeller Assy	568F-1	FR20071056	N/A	23 985,43	04/11/2016	N/A	N/A	N/A
HUB PROPELLER	815470-2	646	10 500 FH 7 YE		20-avr.-2017	17353,00 23-janv-17	5 027,79 1613	5 472,21 944
HUB PROPELLER	815470-2	832	10 500 FH 7 YE		3-nov.-2016	14-juil-16	3 172,44 1781	7 327,56 776
PROP BLADE #1 (LH)	R815505R3W	FR419	10 500 FH 7 YE		15-janv.-2017	15-janv-17	4 178,76 1708	6 321,24 849
PROP BLADE #1 (RH)	R815505-6	FR201104034RT	10 500 FH 7 YE		23-févr.-2016	10 332 23-févr-16	4 349,44 2035	6 150,56 522
PROP BLADE #2 (LH)	R815505-6	FR201108083RT	10 500 FH 7 YE		20-avr.-2017	10 353,00 22-mars-17	5 027,79 1613	5 472,21 944
PROP BLADE #2 (RH)	R815505-6	FR201104079RT	10 500 FH 7 YE		2-nov.-2016	9 763 02-nov-16	3 172,44 1782	7 327,56 775
PROP BLADE #3 (LH)	R815505S3W	FR20030820RT	10 500 FH 7 YE		2-nov.-2017	16700 29-août-17	3 692,52 1417	6 807,48 1 140
PROP BLADE #3 (RH)	R815505-6	FR201111087RT	10 500 FH 7 YE		2-nov.-2016	10 122 02-nov-16	3 172,44 1782	7 327,56 775
PROP BLADE #4 (LH)	R815505-6	FR20070179RT	10 500 FH 7 YE		2-oct.-2017	23-juin-17	3 915,19 1448	6 584,81 1 109
PROP BLADE #4 (RH)	R815505-6	FR200807069RT	10 500 FH 7 YE		19-août-2020	25 649 19-août-20	574,05 396	9 925,95 2 161
PROP BLADE #5 (LH)	R815505-6	FR20050165RT	10 500 FH 7 YE		3-mars-2017	20-avr-17	5 027,79 1661	5 472,21 896
PROP BLADE #5 (RH)	R815505R3W	FR294	10 500 FH 7 YE		24-nov.-2015	22 821 24-nov-15	6 561,49 2126	3 938,51 431
PROP BLADE #6 (LH)	R815505-6	FR2016090021RT	10 500 FH 7 YE		14-sept.-2016	365 14-sept-16	5 400,12 1831	5 099,88 726
PROP BLADE #6 (RH)	R815505S3W	FR2360	10 500 FH 7 YE		2-nov.-2015	31 737 02-nov-15	5 506,94 2148	4 993,06 409
LH TRANSER TUBE	815587-1	201103055	12 100 FH				5 027,79	7 072,21
RH TRANSER TUBE	815587-1	20050415	12 100 FH				3 172,44	8 927,56
LH ACTUATOR	815585-7	20080312	10 500 FH				574,05	9 925,95
RH ACTUATOR	815585-7	20071013	10 500 FH				3 172,44	7 327,56
LH ADJUSTING	814754-1	465	10 500 FH				5 027,79	5 472,21
RH ADJUSTING	814754-1	9W20010203	10 500 FH				574,06	9 925,94

## 18. LANDING GEAR AS OF: 19-Sep-2021


ITEM	NOSE LANDING GEAR	LEFT MAIN LANDING GEAR	RIGHT MAIN LANDING GEAR
P/N	D22698500-6	D23189000-24	D23190000-23
S/N	B565	MN536	MN536
TSN	28227,83 FH	23 491,67 FH	23 491,67 FH
CSN	24 287 CYC	20 599 CYC	20 599 CYC
OVH DATE	12-Feb-2015	24-Oct-2018	24-Oct-2018
INTERVAL (DBO/CBO)	3 287 DAYS	3 287 DAYS	3 287 DAYS
	20 000 CYC	20 000 CYC	20 000 CYC
TSO/DSO/CSO	2 411 DAYS	1 061 DAYS	1 061 DAYS
	7007,83 FH	22 968,26 FH	22 968,26 FH
	6 502 CYC	846 CYC	846 CYC
REMAINING	876 DAYS	2 226 DAYS	2 226 DAYS
	13 498 CYC	19 154 CYC	19 154 CYC

## 19. 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
<b>ATA 22_ AUTOPILOT SYSTEM</b>				
22	AUTOPILOT (AP/FD)	1	7003652-602	HONEYWELL
<b>ATA 23_ COMMUNICATIONS</b>				
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	93A151-50	
<b>ATA 25_ EMERGENCY LOCATOR TRANSMITTER</b>				
25	ELT EMERGENCY LOCATOR TRANSMITTER	1		
<b>ATA 31_ INDICATING/RECORDING SYSTEMS</b>				
31	FDR FLIGHT DATA RECORDER INDICATING	1	2100-4043-00	
31	CAP CREW ALERT PANEL	1	799338-1-0	
<b>ATA 34_ NAVIGATION</b>				
34	TCAS PROCESSOR TRAFFIC COLLISION AVOIDANCE SYSTEM	1	822-1293-033	
34	WRT WEATHER RADAR TRANSCIEVER	1	7021450-601	HONEYWELL
34	EFIS ELECTRONIC FLIGHT INSTRUMENT SYSTEM	4	7003110-912	HONEYWELL
34	ATC (MODE S) ATC TRANSPONDER	2	9006000-55002	
34	RADIO ALT RADIO ALTIMETER	1	9599-607-14572	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	700-1710-001	-
34	GPS GNSS GLOBAL POSITIONING SYSTEM GLOBAL NAV SATELLITE	1	9000900-55000	-
36	SG SYMBOL GENERATOR	2	7004544-714	HONEYWELL

<b>Prepared by</b>	
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