

Airframe

AIRCRAFT TECHNICAL DATA

- 1. OWNER : CAA (Compagnie Africaine d'Aviation)
- 2. AIRCRAFT TYPE : ATR 72-212A
- 3. YEAR OF MANUFACTURE : 14 February 2002
- 4. REGISTRATION : 9S-AAD
- 5. MANUFACTURER SERIAL NUMBER : 0685
- 6. FUSELAGE SERIAL NUMBER : -
- 7. A/C MAIN BASE : KINSHASA
- 8. NOISE COMPLIANCE : -
- 9. VALIDITY OF DOCUMENTS : - CDN: 5-Nov-2021
 - LSR: 5-Nov-2021

10. OPERATING WEIGHT

ITEM	VALUE
MAXI TAXI WEIGHT	22 670 Kgs
MAXI TAKE OFF WEIGHT (MTOW)	22 500 Kgs
MAXI LANDING WEIGHT (MLW)	22 350 Kgs
MAXI ZERO FUEL WEIGHT (MZFW)	20 300 Kgs
OPERATING EMPTY WEIGHT	13 235 Kgs
PAYLOAD	7 500 Kgs
FUEL CAPACITY	5 000 Kgs

11. CONFIGURATION : FULL PAX (66)

ITEM	VALUE
GALLEY	1
TOILET	1

12. A) AIRCRAFT LAST WEIGHT AND BALANCE REPORT	:	18-Oct-2019
B) AIRCRAFT NEXT WEIGHT AND BALANCE REPORT	:	18-Oct-2023

13. AIRFRAME AS OF: 15-Sep-2021

ITEM	VALUE			
TOTAL TIME	26 159,78			FHRS
TOTAL CYCLE	28764			CYC
TIME SINCE "5 000 FH" CHECK	5 561,18	FHRS	5 821,00	CYC 2865 Days
LAST "5 000 FH" CHECK PERFORMED	11-Nov-2013			
LAST "10 000 FH" CHECK PERFORMED	15-Jan-2011			

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
"1A" CHECK	Date : 1-Mar-2021 FHRS: 25 707,71 CYC: 28 433	FHRS : 26 434,00	FHRS : 274,95
"2A" CHECK	Date : 21-Dec-2020 FHRS: 25 325,80 CYC: 28 150	FHRS : 26 812,71	FHRS : 652,93
"3A" CHECK	Date : 26-Apr-2021 FHRS: 26 011,80 CYC: 28 673	FHRS : 28 261,80	FHRS : 2 102,02
"4A" CHECK	Date : 26-Mar-2020 FHRS: 24 677,63 CYC: 27 590	FHRS : 27 677,63	FHRS : 1 517,85
"1C" CHECK	Date : 13-Aug-2021 FHRS: 26 076,23 CYC: 28 706	FHRS : 30 598,60	FHRS : 4 438,82
"2C" CHECK	Date : 13-Aug-2021 FHRS: 26 076,23 CYC: 28 706	FHRS : 36 026,00	FHRS : 9 866,22

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 / 1 440 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 : 11-Apr-2021 FHRS: 25 936,23 CYC: 28 614	Date : 11-Apr-2022	Days: 208
"2 YEARS" CHECK	Date : 13-Aug-2021 FHRS: 26 076,23 CYC: 28 706	Date : 13-Aug-2023	Days: 697
"4 YEARS" CHECK	Date : 18-Apr-2019 FHRS: 23 812,00 CYC: 26 902	Date : 18-Apr-2023	Days: 580
"8 YEARS" CHECK	Date : 18-Apr-2019 FHRS: 23 812,00 CYC: 26 902	Date : 18-Apr-2027	Days : 2 041,00
"12 YEARS" CHECK	Date : 12-May-2012 FHRS: 18 207,00 CYC: 20 183	Date : 12-May-2024	Days : 970,00

MANAGEMENT MODE : ON CONDITION

A. ENGINES AS OF: 15-Sep-2021

ITEM TYPE	ENGINE #1 PW 127 M		ENGINE #2 PW 127 M	
	SERIAL NUMBER	T.T.M ED0840	GEAR BOX ED0840	T.T.M EB0047
TOTAL TIME	7 490,03	7 490,03	24 058,84	24 058,84
TOTAL CYCLE	6 735	6 735	24 413	24 413
DATE LAST OVH	RAS	RAS	15-Aug-2011	15-Aug-2011
TIME SINCE OVH	RAS	RAS	10 556,84	10 556,84
CYCLE SINCE OVH	RAS	RAS	9 676	9 676
DATE LSV	5-Dec-2018	5-Dec-2018	3-May-2018	3-May-2018
TIME SINCE LSV	2 332,03	2 332,03	6 656,84	6 656,84
CYCLE SINCE LSV	1 856	1 856	5 641	5 641
FIRST LIMITER (in FC)	15 000		15 000	
	INTERST AIR SEAL	6 581,25 FIRST STAGE PT DISK SEC STAGE PT DISK	23 265	HPT FRONT COVER 64,95 1st and PT Disk 2nd Stage 5 587

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

ITEM	INTERVAL	
ECTM	DAILY/FLIGHT	
BORESCOPE	1 000	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)	14-Jan-2021 6 785,18	16-Aug-2021 23 987,67	7 785,18	24 987,67	295,15	928,83

16. PROPELLERS AS OF : 15-Sep-2021

NOMENCLATURE	P/N	S/N	INTERVAL	TOTAL HOURS	INSTALL DATE	MAN-OVH FUC DATE	USED	REMAINING
HUB PROPELLER LH	815470-2	2009120225	10 500 FH	4 883,14	27-févr.-2018	New Manuf date	2 347,06	8 152,94
			7 YE			08-nov-17	1296	1 261
HUB PROPELLER RH	815470-2	739	10 500 FH	2 347,06	4-juil.-2018	New Manuf date	2 347,06	8 152,94
			7 YE			26-mars-18	1169	1 388
PROP BLADE #1 (LH)	R815505S3W	FR20010627PR	10 500 FH	1 459,72	15-avr.-2020	New Manuf date	1 459,72	9 040,28
			7 YE			26-juin-20	518	2 039
PROP BLADE #1 (RH)	R815505-6	FR2015111033RT	10 500 FH	2 348,31	7-janv.-2016	New Manuf date	2 347,99	8 152,01
			7 YE			18-nov-15	2078	479
PROP BLADE #2 (LH)	R815505-6	FR20061040RT	10 500 FH	19 368,06	4-juil.-2018	17 021,00	2 347,06	8 152,94
			7 YE			23-mai-18	1169	1 388
PROP BLADE #2 (RH)	R815505-6	FR201103037RT	10 500 FH	9 459,06	28-juin-2018	New Manuf date	2 347,06	8 152,94
			7 YE			1-juin-2018	1175	1 382
PROP BLADE #3 (LH)	R815505-6	FR20070744RT	10 500 FH	12 867,06	19-juin-2019	8035,34	4 831,72	5 668,28
			7 YE			27-juil-16	819	1 738
PROP BLADE #3 (RH)	R815505S3W	FR2472	10 500 FH	1 459,72	2-juin-2020	New Manuf date	1 459,72	9 040,28
			7 YE			2-avr.-2020	470	2 087
PROP BLADE #4 (LH)	R815505-6	FR20061120RT	10 500 FH	20 856,47	15-juin-2017	18 509	2 347,06	8 152,94
			7 YE			16-nov-16	1553	1 004
PROP BLADE #4 (RH)	R815505S3W	FR20051111RT	10 500 FH	29 979,41	26-janv.-2020	26 272	3 707,41	6 792,59
			7 YE			24-janv-18	598	1 959
PROP BLADE #5 (LH)	R815505-6	FR201106068RT	10 500 FH	14 432,06	19-juin-2019	10386,29	4 045,77	6 454,23
			7 YE			22-nov-16	819	1 738
PROP BLADE #5 (RH)	R815505S3W	FR20050924RT	10 500 FH	26 662,06	19-juin-2019	22 349,17	4 312,89	6 187,11
			7 YE			03-oct-16	819	1 738
PROP BLADE #6 (LH)	R815505R3W	FR1572	10 500 FH	25 476,06	19-juin-2019	21 836	3 640,01	6 859,99
			7 YE			18-mai-16	819	1 738
PROP BLADE #6 (RH)	R815505-6	FR20050119RT	10 500 FH	20 295,89	16-janv.-2016	17 947,58	2 348,31	8 151,69
			7 YE			10-déc-15	2069	488
LH TRANSER TUBE	815587-1	200907018	12 100 FH	14 156,88	8-mars-2016	11808,56	2 348,32	9 751,68
						24-févr-16		
RH TRANSER TUBE	815587-1	200908015	12 100 FH	13 913,38	3-févr.-2016	11565	2 348,38	9 751,62
						22-déc-15		
LH ACTUATOR	815585-7	2010060010	10 500 FH	12 699,54	19-mars-2019	10352,48	2 347,06	8 152,94
						17-févr-16		
RH ACTUATOR	815585-7	20011116	10 500 FH	24 783,79	13-août-2011	15657,76	9 126,03	1 373,97
						17-janv-11		
LH ADJUSTING	814754-1	915	10 500 FH	12 698,09	8-mars-2016	10349,78	2 348,44	8 151,56
						02-déc-15		
RH ADJUSTING	814754-1	938	10 500 FH	12 622,84	3-févr.-2016	10275,56	2 347,29	8 152,71
						21-déc-15		

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

ITEM	NOSE LANDING GEAR	LEFT MAIN LANDING GEAR	RIGHT MAIN LANDING GEAR
P/N	D22698172-108	D23189000-16-/-18-22-/-24	D23190000-16-/-18-21-/-24
S/N	B124	MN82	MN82
TSN	N/A FH	N/A FH	N/A FH
CSN	42 830 CYC	42 970 CYC	42 970 CYC
OVH DATE	8-Sep-2018	8-Sep-2018	8-Sep-2018
INTERVAL (DBO/CBO)	3 287 DAYS	3 287 DAYS	3 287 DAYS
	20 000 CYC	20 000 CYC	20 000 CYC
DSO/CSO	1 103 DAYS	1 103 DAYS	1 103 DAYS
	N/A FH	N/A FH	N/A FH
	1 862 CYC	1 862 CYC	1 862 CYC
REMAINING	2 184 DAYS	2 184 DAYS	2 184 DAYS
	18 138 CYC	18 138 CYC	18 138 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 TAKE OFF	
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

DESCRIPTION OF COMPONENT	QTY	PART NUMBER	MANUFACTURER
ATA 22_AUTOPILOT SYSTEM			
AUTOPILOT (AP/FD)	1	7003974-609	HONEYWELL
ATA 23_COMMUNICATIONS			
VHF VERY HIGH FREQUENCY COMM	2	622-6152-031	COLLINS
RCAU REMOTE CONTROL AUDIO UNIT	1	CAU2533AC01	TEAM
VOR/ILS VHF OMNIDIRECTIONAL RANGE	2	622-6137-201	COLLINS
CVR COCKPIT VOICE RECORDER	1	93A151-50	L-3 COMMUNICATION
ATA 25_EMERGENCY LOCATOR TRANSMITTER			
ELT EMERGENCY LOCATOR TRANSMITTER	1	1327-82	CHELTON
ATA 31_INDICATING/RECORDING SYSTEMS			
FDR FLIGHT DATA RECORDER INDICATING	1	2100-4043-00	FAIRCHILD
COMPUTER-MULTIFUNCTION	2	LA4E20606HM0100	L-3 COMMUNICATION
AATA 34_NAVIGATION			
TCAS PROCESSOR TRAFFIC COLLISION AVOIDANCE SYSTEM	1	822-1293-002	COLLINS
WRT WEATHER RADAR TRANSCEIVER	1	7021450-601	HONEYWELL
EFIS ELECTRONIC FLIGHT INSTRUMENT SYSTEM	2	7005819-506	HONEYWELL
ATC (MODE S) ATC TRANSPONDER	2	DMN150-2-2	BUY DORNE&MARGOLIN
RADIO ALT RADIO ALTIMETER	1	9599-607-12326	TRT
DME DISTANCE MEASUREMENT EQUIPMENT INTERROGATOR	2	622-6263-003	COLLINS
ADF ADF RECEIVER	2	622-2362-001	COLLINS
ADC AIR DATA COMPUTER	2	7000700-961	HONEYWELL
AHRU ATTITUDE&HEADING REFERENCE UNIT	2	7003360-946	HONEYWELL
EGPWS ENHANCED GROUND PROXIMITY WARNING SYSTEM	1	965-1206-011	HONEYWELL
GPS GNSS GLOBAL POSITIONING SYSTEM GLOBAL NAV SATELLITE SYST	1	82425-00-0060	HONEYWELL
SG SYMBOL GENERATOR	2	7004544-714	HONEYWELL

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