

THOMAS AVIATION SERVICES, LLC

Embraer 145 MP

Year Manufactured 2001

Serial Number 145385 Registration 5Y-CAV

TTAF 31,345 hrs TCAF 28,919 cls

Status: In Service
Owner: ALS Limited
Location: Nairobi, Kenya
Availability: Immediate

Information as of April 4, 2025



WEIGHTS:

Maximum Taxi	46,495 lbs	Maximum Zero Fuel	39,463 lbs
Maximum Take-off	46,275 lbs	Maximum Landing	45,549 lbs
Op Empty Weight	28,485 lbs	Fuel Capacity	9,200 lbs

ENGINES:

Engine Type/Model: Rolls Royce AE3007A1 with Thrust Reversers

Engine Overhaul / Major CAM: Rolls Royce Total Care - On Condition

	<u>SN</u>	<u>TT</u>	<u>TC</u>	<u>TSEHM</u>	<u>CSEHM</u>	<u>Limiter</u>	<u>TR</u>
LH	CAE311612	31,345	29,183	4,422	4,789	Various	5,817 cls
RH	CAE311510	33,968	30,761	7,392	9,368	Various	4,233 cls

AUXILIARY POWER UNIT:

APU Type/Model: APS500R / T-62T-40C14

<u>SN</u>	<u>APU TT</u>	<u>APU TC</u>	<u>CSLSV</u>	<u>T-Wheel TR</u>
SP-E0014010	7,060	10,937	1,622	4,142 cls

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LANDING GEAR:

Gear Make and Model: Liebherr
Overhaul: 20,000 cls 144 mos

	<u>Sn</u>	<u>CSO</u>	<u>TR</u>	<u>Overhaul Due</u>
NLG	00511	8,656	11,344	July 31, 2025
LH MLG	124	638	19,362	July 15, 3035
RH MLG	180	638	19,362	July 15, 3035

MAINTENANCE:

	<u>Last Completed</u>	<u>Remain/Next Due</u>
500 Hr	31,078 hrs	244 hrs
1,000 hr	31,087 hrs	744 hrs
5,000 hr	31,087 hrs	4,744 hrs
10,000 hr	31,087 hrs	9,744 hrs
2,500 cyc	31,087 cls	2,274 cls
5,000 cyc	28,693 cls	4,774 cls
10,000 cyc	28,693 cls	9,774 cls
48 month	March 13, 2024	March 13, 2028
60 month	March 13, 2024	March 13, 2029
120 month	March 13, 2024	March 13, 2034

INTERIOR:

Airstair Door 50 Passenger
Aft Lavatory Forward Galley

AVIONICS:

Dual VHF Comm	Honeywell	RCZ-851
Dual VHF Nav	Honeywell	RNZ-851
Triple HF	Honeywell	KPA-1052/1052/1053
Dual ADF	Honeywell	RNZ-851
Dual DME	Honeywell	DM-850
Dual Transponder	Honeywell	RCZ-833K
Dual FMS	Universal	FMS 1KNCU
Autopilot	Honeywell	IC-600
Sat Track	Hawk Eye	7200X
Weather Radar	Honeywell	WU-660
Dual Radio Altimeter	Honeywell	RT-300
CVR	Honeywell	980-6022-001
DFDR	Honeywell	980-4700-019
TAWS/EGPWS	Honeywell	MK V
TCAS II	Honeywell	RT-951
ELT	Artex	406

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Rolls Royce AE3007 - Engine Details – (Rolls Royce Total Care)

Engine Model	AE3007A1	AE3007A1
Engine Serial Number	CAE311612	CAE311510
Time Since New	31,345 hrs	33,968 hrs

<u>Part</u>	<u>Life</u>	<u>Time Remain</u>	<u>Time Remain</u>
Fan Wheel	20,000 cls	10,051 cls	8,124 cls
Fan Blade Retainer	20,000 cls	15,211 cls	8,124 cls
Shaft, Fan Dive	35,000 cls	5,817 cls	4,233 cls
1 st Stage Wheel, Comp Rotor	30,000 cls	20,051 cls	20,626 cls
2 nd Stage HP Turbine Wheel	30,000 cls	20,051 cls	18,124 cls
3 rd Stage HP Turbine Wheel	24,200 cls	14,251 cls	12,324 cls
4 th Stage HP Turbine Wheel	20,000 cls	20,051 cls	18,124 cls
5 th Stage HP Turbine Wheel	20,000 cls	20,051 cls	18,124 cls
6 th Stage HP Turbine Wheel	30,000 cls	20,051 cls	18,124 cls
7 th Stage HP Turbine Wheel	30,000 cls	20,051 cls	18,124 cls
8 th Stage HP Turbine Wheel	30,000 cls	20,051 cls	18,124 cls
9 th Stage HP Turbine Wheel	30,000 cls	20,051 cls	18,124 cls
10 th Stage HP Turbine Wheel	30,000 cls	20,051 cls	18,124 cls
11 th Stage HP Turbine Wheel	30,000 cls	20,051 cls	18,124 cls
12 th Stage HP Turbine Wheel	30,000 cls	20,051 cls	18,124 cls
13 th Stage HP Turbine Wheel	30,000 cls	20,051 cls	18,124 cls
14 th Stage HP Turbine Wheel	30,000 cls	20,051 cls	18,124 cls
Cone Shaft	30,000 cls	20,051 cls	18,124 cls
Turbine, 1 st Stage HP	35,000 cls	5,817 cls	4,233 cls
Turbine, 2 nd Stage HP	23,000 cls	13,051 cls	11,124 cls
Spacer, 1 st and 2 nd Stage	30,000 cls	16,209 cls	18,124 cls
1 st Stage LP, Turbine Wheel	35,000 cls	5,817 cls	4,233 cls
2 nd Stage LP, Turbine Wheel	35,000 cls	5,817 cls	4,233 cls
3 rd Stage LP, Turbine Wheel	35,000 cls	5,817 cls	4,233 cls
Spacer, Interstage LP Fwd	35,000 cls	5,817 cls	4,233 cls
Spacer, Interstage LP Aft	35,000 cls	25,501 cls	4,233 cls
LPT Fwd Shaft	35,000 cls	5,817 cls	4,233 cls

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