

# THOMAS AVIATION SERVICES, LLC

## Embraer 145 LR

Year Manufactured 2000

Serial Number 145248 Registration N15985

TTAF 40,360 hrs TCAF 30,675 cls

Operator: ExpressJet Airlines

Information as of January 31, 2017



### WEIGHTS:

Maximum Taxi	48,721 lbs	Maximum Zero Fuel	39,462 lbs
Maximum Take-off	48,501 lbs	Maximum Landing	42,549 lbs
Op Empty Weight	26,706 lbs	Fuel Capacity	1,690 usg

### ENGINES:

Engine Type/Model: Rolls Royce AE3007A1P

Engine Overhaul / Major CAM: On Condition

	<u>SN</u>	<u>TT</u>	<u>TC</u>	<u>TSEHM</u>	<u>CSEHM</u>	<u>Limiter</u>	<u>TR</u>
RH	AE311386	37,040	28,191	0	0	Various	6,807 cls
LH	AE311385	33,723	27,742	2	0	Various	6,143 cls

### AUXILIARY POWER UNIT:

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

	<u>SN</u>	<u>CSLSV</u>	<u>Limiter</u>	<u>TR</u>
	SP-E0214281	883	T-Wheel	14,869

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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>Days Remain</u>
NLG	00516	10,018	8,982 cls	2,260
LH MLG	155	11,803	8,197 cls	2,064
RH MLG	130	11,803	8,197 cls	2,074

**MAINTENANCE:**

	<u>Interval</u>	<u>Remain</u>
1C	5,000 hrs	556 hrs
2A	600 hrs	139 hrs
5A	3,250 hrs	1,718 hrs

**INTERIOR:**

50 Passenger      C&D Aerospace Leather Seats  
 Aft Lavatory      AMSAFE 502751-1 Seat Belts  
 Dual Forward Galley

**AVIONICS:**

Primus 1000 Avionics Suite including:  
 Two Primary Flight Displays (PFD)  
 Two Multi Function Displays (MFD)  
 One In Flight Engine Condition Monitoring System (IECMS)  
 Primus III Radio Suite

Dual VHF Comm	Honeywell	RCZ-851/854
VHF Comm	Honeywell	RCZ-833
Dual VHF Nav	Honeywell	RNZ-851
Dual AHRS	Honeywell	AH-900
FMS Computer	Honeywell	NZ-2000
GPS Computer	Honeywell	GNSSU
Dual Air Data Computer	Honeywell	AZ-840
Data Acquisition Unit	Honeywell	DA-800
ACARS	Honeywell	Mark III
SELCAL	Terra	Jet Cal 2
Weather Radar	Honeywell	WU-660
Dual Radio Altimeter	Honeywell	RT-300
CVR	Honeywell	980-6022-001
DFDR	Honeywell	980-4700-019
EGPWS	Honeywell	MK V
TCAS II	ACSS	RT-950

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**Rolls Royce AE3007 - Engine Details**

Engine Model	AE3007A1P	AE3007A1P
Engine Serial Number	AE311386	AE311385
Hours Since Inspection	0 hrs	2 hrs
Time Since New	37,039 hrs	33,724 hrs

<u>Part</u>	<u>Life</u>	<u>Time Remain</u>	<u>Time Remain</u>
Fan Wheel	20,000 cls	9,845 cls	7,779 cls
Fan Blade Retainer	20,000 cls	9,845 cls	7,779 cls
Shaft, Fan Dive	35,000 cls	6,807 cls	29,752 cls
1 <sup>st</sup> Stage Wheel, Comp Rotor	30,000 cls	19,845 cls	24,752 cls
2 <sup>nd</sup> Stage HP Turbine Wheel	20,000 cls	9,845 cls	7,779 cls
3 <sup>rd</sup> Stage HP Turbine Wheel	20,000 cls	9,845 cls	7,779 cls
4 <sup>th</sup> Stage HP Turbine Wheel	20,000 cls	9,845 cls	7,779 cls
5 <sup>th</sup> Stage HP Turbine Wheel	20,000 cls	9,845 cls	7,779 cls
6 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	19,845 cls	17,779 cls
7 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	19,845 cls	17,779 cls
8 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	19,845 cls	17,779 cls
9 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	19,845 cls	17,779 cls
10 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	19,845 cls	29,998 cls
11 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	19,845 cls	17,779 cls
12 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	19,845 cls	17,779 cls
13 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	19,845 cls	29,998 cls
14 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	19,845 cls	17,779 cls
Cone Shaft	30,000 cls	19,845 cls	24,752 cls
Turbine, 1 <sup>st</sup> Stage HP	35,000 cls	10,032 cls	6,615 cls
Turbine, 2 <sup>nd</sup> Stage HP	20,000 cls	9,845 cls	7,779 cls
Spacer, 1 <sup>st</sup> and 2 <sup>nd</sup> Stage	30,000 cls	11,331 cls	8,724 cls
1 <sup>st</sup> Stage LP, Turbine Wheel	35,000 cls	6,807 cls	18,514 cls
2 <sup>nd</sup> Stage LP, Turbine Wheel	35,000 cls	6,807 cls	7,520 cls
3 <sup>rd</sup> Stage LP, Turbine Wheel	35,000 cls	6,807 cls	6,807 cls
Spacer, Interstage LP Fwd	35,000 cls	11,331 cls	6,143 cls
Spacer, Interstage LP Aft	35,000 cls	11,331 cls	6,143 cls
LPT Fwd Shaft	35,000 cls	6,807 cls	13,514 cls

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