

1. Approving Civil Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 20190007140418Y15 337233816
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4. Organization Name and Address: Honeywell International Inc 2525 W 190TH ST TORRANCE CA 90504-6002	Repair Station DO3R456L	5. Work Order/Contract/Invoice Number: T33035 337233784 Page 1 of 1
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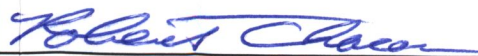
6.Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status / Work:
001	TURBINE OUTL	2780222-7	1	749	TESTED

12. Remarks:
THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH:
CMM 29-21-02 Rev 6, JUN/09/2014

HH.DD (HH:MM)
TSN 44123.00 (44123:00)
CSN 4796.00
SERIES/ISSUE/AMDTs:SERIES 1

AIW

SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED
CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND IN RESPECT TO THAT WORK THE COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA PART 145 APPROVAL NO. EASA 145.4135

13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.		14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature: 	14c. Approval/Certificate No.: DO3R456L
13d. Name (Typed or Printed):	13e. Date(dd/mmm/yyyy):	14d. Name (Typed or Printed): Robert Chacon	14e. Date(dd/mmm/yyyy): 24/SEP/2019

User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



Commercial

Repair Station # DO3R456L

Honeywell E&S Torrance
Honeywell International Inc
2525 W 190TH ST
TORRANCE CA 90504-6002
Date:24 SEP 2019

Initial Findings Report

Repair Order: 2019-337233784-001
337233816

Customer: 300002 AJW AVIATION LTD

Customer P/O: T33035

Orig Cust:

Part Number: 2780222-7

Part Desc: TURBINE OUTL

Serial No: 749

Mods: NONE

Series/Issue/Amdts: SERIES 1

Quantity: 1

Aircraft tail#: A6-LRC

Aircraft S/N#: 36302

Date on:

Received Date: 29 AUG 2019

Model #: Ram Air Turbine

Engine S/N:

Date off:

Alternate S/N:

TIMES/CYCLES

HH.DD (HH:MM)

Time Since New:

44123.00 (44123:00)

Cycles Since New:

4796.00

Time Since Overhaul:

Cycles Since Overhaul:

Time Since Repair:

Cycles Since Repair:

Time Since Installation:

Cycles Since Installation:

CUSTOMER REASON FOR RETURN

REMOVED SERVICEABLE.

GENERAL CONDITION AS RECEIVED (HIDDEN DAMAGE)

Condition Received Text

UNIT DIRTY.ROTARY TURNS.SERIES 1 IS ON ID PLATE NO VISIBLE EXTERNAL DAMAGE UNIT CAME WITH CUSTOMER PARTS

Reason for return code

OTHER

Removal Type

Unscheduled

DETAIL DISASSEMBLY / EVALUATION FINDINGS

Failure Description:

Findings:

unit pass findings test

Related Area:

Non-conformance: NONE / NO FAULT FOUND (NFF)

Recurrent Failure:

Failed Part

Part Name

Condition:

Primary Failure

SERVICE BULLETINS / AUTHORIZING DOCUMENTS

Authorizing Technical Document

Complied With:

Doc#: CMM 29-21-02 Rev: 6 Date: 09.06.2014

WORK PERFORMED / COMMENTS TO CUSTOMER

Workscope Performed / Summary of Actions Taken

UNIT WAS CLEANED AND SENT FOR A FINDINGS TEST. UNIT PASSED TEST MEETING ALL TEST REQUIREMENTS (NO FAULT FOUND). UNIT WAS TESTED AND INSPECTED AS REQUIRED PER CMM 29-21-02 REVISION 6 DATED, JUNE 9, 2014. THEREFORE, THE UNIT WILL BE RETURNED TO THE CUSTOMER IN A SERVICEABLE CONDITION.

Action Taken Code

Tested

Customer Confirmed Removal Reason:

Yes

Evaluation Type

Evaluated - No Fault Found

Honeywell

Commercial

Repair Station # DO3R456L

Honeywell E&S Torrance
Honeywell International Inc
2525 W 190TH ST
TORRANCE CA 90504-6002
Date:24 SEP 2019

Configuration And Findings Evaluation

Repair Order: 2019-337233784-001
337233816

Customer: 300002 AJW AVIATION LTD

Customer P/O: T33035

Orig Cust:

Part Number: 2780222-7

Part Desc: TURBINE OUTL

Serial No: 749

Mods: NONE

Series/Issue/Amdts: SERIES 1

Quantity 1

Ship Date:

Received Date: 29 AUG 2019

AJW

FINAL CONFIGURATION

Part No: 2780222-7



S/N: 749



Series/Issues/Amdts: SERIES 1



Mods: NONE



MECHANIC/ANALYST Jose Montano Abarca

DATE: 05 SEP 2019

ANALYTICAL CHECK SHEET FORM

Honeywell

Repair Facility :Honeywell E&S Torrance Honeywell
International Inc 2525 W 190TH ST TORRANCE CA
90504-6002

Customer PO : T33035
Notification No: 000337233784
Outline No : 2780222-7
Mod To Outline. :2780222-7

Customer : 300002 AJW AVIATION LTD
Service Order No : 5014052832 **Sales Order No :** 9416515
Serial No: 749
Mod to S/N : 749 **Model No. :** Ram Air Turbine

	Material	Serial No.	Disp	Qty	Description	Service Order #
IN	2780222-7	749	M	0	TURBINE OUTL	5014052832
OUT	2780222-7	749	M			

REWORK CODE : 2000

CONDITION CODE : G00 NONE / NO FAULT FOUND (NFF)

ACCT IND :

ANALYST REMARKS :

AJW

DATA SHEET PAGE 1 OF 11	PART NAME	RAM AIR TURBINE DRIVEN PUMP AND GENERATOR	MFG SERIAL NO.	N/A
	PART NO.	2780222-7	NAMEPLATE SERIAL NO.	749

AT Para.	Test Description/Instruction	Set Point	Required Record	Data
	Vickers Pump SN		Record	MX 705642
	Leland Generator SN		Record	06M0672
	WEIGHT			
3.1.1	Unit Weight, Dry Drip	146.3 lbs Max.		141.0
3.1.2	Data Sheets (Add check mark to confirm requirement met)			
	Governor TI 2783211		Enclosed/Pass	/
	Pump ATP TP8636		Enclosed/Pass	/
	Generator ATP TS102253 or TS102278 per para. 3.1.2		Enclosed/Pass	/
	STRUT LIMIT SWITCHES AND BLADE PIN DISENGAGEMENT POINTS			N A
4.1.1.7.3	Blade Index Pin Disengagement Point	9 ±1°		a) /
4.1.1.7.1	Blade Index Switch Actuation Point			b) /
	b - a =	1 ±0.5°		
4.1.1.7.2	Strut Angle Switch Actuation Point	15 ±1°		
	BONDING			
4.1.2.7.1	Generator strut mounting flange to J1 generator connector (milliohms)	2.5 Max.		2.49
4.1.2.7.2	Generator strut mounting flange to J2 generator connector (milliohms)	2.5 Max.		0.57
4.1.2.7.3	Generator strut mounting flange to strut (milliohms)	2.5 Max.		0.10
4.1.2.7.4	Strut ground strap mounting pad to strut connector J1 (milliohms)	2.5 Max.		0.81
4.1.2.7.5	Strut ground strap mounting pad to strut connector J2 (milliohms)	2.5 Max.		0.71
4.1.2.7.6	Strut ground strap mounting pad to exposed hydraulic tubes (milliohms): -20 tube/-12 tube/-6 tube	10.0 Max.		0.52 / 0.89 / 1.24
	DATA SHEET FOR DIELECTRIC WITHSTANDING, DASH 1 AND 2 ONLY			
4.1.3.7.1.1	Strut connector J2-4 to strut (volts)/Duration (sec)	1200 ±50/60-70		/
	Leakage current (ma) max.	4		
4.1.3.7.1.2	Strut connector J1-14 to strut (volts)/Duration (sec)	1200 ±50/60-70		/
	Leakage current (ma) max.	1.7		N A
4.1.3.7.1.3	Strut connector J1-8 to strut (volts)/Duration (sec)	1200 ±50/60-70		/
	Leakage current (ma) max.	1.7		
4.1.3.7.1.4	Strut connector J1-11 to strut (volts)/Duration (sec)	750-850/60-70		/
	Leakage current (ma) max.	1.2		

REMARKS	DATE	SEP 04 2019		
	ACCEPTANCE BOX			
AlliedSignal Aerospace Engines & Systems	CAGE CODE	DOCUMENT NO.	REV LTR	PAGE
	70210	AT2780222	R	70

DATA SHEET PAGE 2 OF 11	PART NAME	RAM AIR TURBINE DRIVEN PUMP AND GENERATOR	MFG SERIAL NO.	N/A
	PART NO.	2780222-7	NAMEPLATE SERIAL NO.	749

AT Para.	Test Description/Instruction	Set Point	Required	Data
DATA SHEET FOR DIELECTRIC WITHSTANDING, DASH 3 THROUGH 7				
4.1.3.7.2.1	Strut connector J2-4 to strut (volts)/Duration (sec)	1200 ±50/60-70		1200/60
	Leakage current (ma) max.	4		1.8
4.1.3.7.2.2	Strut connector J1-14 to strut (volts)/Duration (sec)	1200 ±50/60-70		1200/60
	Leakage current (ma) max.	1.7		0.29
4.1.3.7.2.3	Strut connector J1-8 to strut (volts)/Duration (sec)	1200 ±50/60-70		1200/60
	Leakage current (ma) max.	1.7		0.22
4.1.3.7.2.4	Strut connector J1-11 to strut (volts)/Duration (sec)	750-850/60-70		800/60
	Leakage current (ma) max.	1.2		0.26
4.1.3.7.2.5	Strut connector J1-4 to strut (volts)/Duration (sec)	1200 ±50/60-70		1200/60
	Leakage current (ma) max.	1.7		0.25
4.1.3.7.2.6	Strut connector J1-6 to strut (volts)/Duration (sec)	1200 ±50/60-70		1200/60
	Leakage current (ma) max.	1.7		0.27

REMARKS	DATE	SEP 04 2019		ACCEPTANCE BOX FT 92
	CAGE CODE	DOCUMENT NO.	REV LTR	
AlliedSignal Aerospace Engines & Systems	70210	AT2780222	R	71

DATA SHEET PAGE 3 OF 11	PART NAME	RAM AIR TURBINE DRIVEN PUMP AND GENERATOR	MFG SERIAL NO.	N/A
	PART NO.	2780222-7	NAMEPLATE SERIAL NO.	749

DATA SHEET FOR INSULATION RESISTANCE, DASH 1 AND 2 ONLY

AT Para.	Test Description/Instruction	Set Point	Required	Data
4.1.4.7.1.1	Strut connector J2-4 to strut (volts)/Duration (sec)		450 -550/60-70	
	Resistance (megohms)		20 minimum	
4.1.4.7.1.2	Strut connector J1-14 to strut (volts)/Duration (sec)		450 -550/60-70	
	Resistance (megohms)		20 minimum	
4.1.4.7.1.3	Strut connector J1-8 to strut (volts)/Duration (sec)		450 -550/60-70	
	Resistance (megohms)		20 minimum	
4.1.4.7.1.4	Strut connector J1-11 to strut (volts)/Duration (sec)		450-550/60-70	
	Resistance (megohms)		20 minimum	

DATA SHEET FOR INSULATION RESISTANCE, DASH 3 THROUGH 7

4.1.4.7.2.1	Strut connector J2-4 to strut (volts)/Duration (sec)		450 -550/60-70	500/ 60
	Resistance (megohms)		20 minimum	20/ 760M ~
4.1.4.7.2.2	Strut connector J1-14 to strut (volts)/Duration (sec)		450 -550/60-70	500/ 60
	Resistance (megohms)		20 minimum	20/ 520M ~
4.1.4.7.2.3	Strut connector J1-8 to strut (volts)/Duration (sec)		450 -550/60-70	500/ 60
	Resistance (megohms)		20 minimum	20/ 500M ~
4.1.4.7.2.4	Strut connector J1-11 to strut (volts)/Duration (sec)		450-550/60-70	500/ 60
	Resistance (megohms)		20 minimum	20/ 580M ~
4.1.4.7.2.5	Strut connector J1-4 to strut (volts)/Duration (sec)		450 -550/60-70	500/ 60
	Resistance (megohms)		20 minimum	20/ 500M ~
4.1.4.7.2.6	Strut connector J1-6 to strut (volts)/Duration (sec)		450 -550/60-70	500/ 60
	Resistance (megohms)		20 minimum	20/ 500M ~

REMARKS	DATE	SEP 04 2019		ACCEPTANCE BOX FT 92
	CAGE CODE	DOCUMENT NO.	REV LTR	
AlliedSignal Aerospace Engines & Systems	70210	AT2780222	R	72

DATA SHEET PAGE 4 OF 11	PART NAME	RAM AIR TURBINE DRIVEN PUMP AND GENERATOR	MFG SERIAL NO.	N/A
	PART NO.	2780222-7	NAMEPLATE SERIAL NO.	749

AT Para.	Step	Test Description/Instruction	Set Point	Required	Data
4.1.5.9	c	Continuity between J1-1 and J1-7		Yes	YES
4.1.5.9	d	Continuity between J1-1 and ground		No	NO
4.1.5.9	e	Continuity between J1-1 and J1-8		Yes	YES
4.1.5.9	g	Continuity between J1-3 and J1-14		Yes	YES
4.1.5.9	g	Continuity between J1-3 and ground		No	NO
4.1.5.9	j	Continuity between J1-10 and J1-11		Yes	YES
4.1.5.9	j	Continuity between J1-10 and ground		No	NO
4.1.5.9	k	Continuity between J1-10 and J1-11		Yes	YES
4.1.5.9	k	Continuity between J1-10 and ground		No	NO
4.1.5.9	m	Continuity between J2-4 and J2-1		Yes	YES
4.1.5.9	m	Continuity between J2-4 and ground		No	NO
4.1.5.9	n	Continuity between J2-4 and J2-2		Yes	YES
4.1.5.9	o	Continuity between J2-4 and J2-3		Yes	YES

ADDITIONAL DATA SHEET FOR CONTINUITY/GROUND FAULT TEST, DASH 3 THROUGH 7

4.1.5.9.1	c	Continuity between J1-15 and J1-6		Yes	YES
4.1.5.9.1	d	Continuity between J1-15 and ground		No	NO
4.1.5.9.1	f	Continuity between J1-15 and J1-5		No	NO
4.1.5.9.1	f	Continuity between J1-15 and J1-4		No	NO
4.1.5.9.1	j	Continuity between J1-5 and J1-4		Yes	YES
4.1.5.9.1	k	Continuity between J1-5 and ground		No	NO
4.1.5.9.1	l	Continuity between J1-5 and J1-6		No	NO

REMARKS	DATE	SEP 04 2019		
	ACCEPTANCE BOX			
AlliedSignal Aerospace Engines & Systems	CAGE CODE	DOCUMENT NO.	REV LTR	PAGE
	70210	AT2780222	R	73

DATA SHEET PAGE 5 OF 11	PART NAME	RAM AIR TURBINE DRIVEN PUMP AND GENERATOR	MFG SERIAL NO.	N/A
	PART NO.	2780222-7	NAMEPLATE SERIAL NO.	749

AT Para.	Test Description/Instruction	Set Point	Required	Data
4.2.1.5.2	Motoring Governor Test			
	Pump "in" temp °F		90 ±30	90.6
	Pump differential pres, P22-P21 PSID		Figure 12	2872
	Pump "in" pressure PSIG		—	16.6
	Pump output pressure PSIG		—	259
	Pump supply flow GPM Q23		Figure 12	25.9
	Generator frequency Hz		392–510	414
KEY D6	Blade angle motion deg.		3 min	4°
	Barometric pressure in. Hg abs		Record	29.93
	Room temperature °F		Record	79.3
	Turbine rpm		3920–5100	4140
	Case drain flow gpm		≤ 7.0	2.84
4.5.1.2(d)	Pressure at P20 (P22 at 3000 ±50) psi		<195	160
	Turbine rotation rpm		none	NONE

REMARKS	DATE	SEP 04 2019		ACCEPTANCE BOX FT 92
	CAGE CODE	DOCUMENT NO.	REV LTR	
AlliedSignal Aerospace Engines & Systems	70210	AT2780222	R	74

DATA SHEET PAGE 6 OF 11	PART NAME	RAM AIR TURBINE DRIVEN PUMP AND GENERATOR	MFG SERIAL NO.	N/A
	PART NO.	2780222-7	NAMEPLATE SERIAL NO.	749

AT Para.	Test Description/Instruction	Set Point	Required	Data
4.2.1.5.2	Motoring Generator Test			
	Pump "in" temp °F		90 ±30	91.1
	Pump differential pres, P22-P21 PSID		Figure 12	286.5
	Pump "in" pressure PSIG		-	16.4
	Pump output pressure PSIG		-	253
	Pump supply flow GPM Q23		Figure 12	26.5
	Generator frequency Hz		392-510	426
	Phase 1 voltage Volts		115 ±2	115.2
	Phase 2 voltage Volts		115 ±2	115.8
	Phase 3 voltage Volts		115 ±2	114.9
	Phase 1 current amps		Record	15.11
	Phase 2 current amps		Record	15.04
	Phase 3 current amps		Record	15.23
	Phase 1 PF		1.0	1.0
	Phase 2 PF		1.0	1.0
	Phase 3 PF		1.0	1.0
	Total electrical power min KVa		5.0	5.22
	Barometric pressure		Record	29.93
	Room temperature		Record	79.6
	Turbine rpm		3920-5100	4260
	Case drain flow, gpm		≤ 7.0 gpm	2.76

REMARKS	DATE	SEP 04 2019		
	ACCEPTANCE BOX			
AlliedSignal Aerospace Engines & Systems	CAGE CODE	DOCUMENT NO.	REV LTR	PAGE
	70210	AT2780222	R	75

DATA SHEET PAGE 7 OF 11	PART NAME	RAM AIR TURBINE DRIVEN PUMP AND GENERATOR	MFG SERIAL NO.	N/A
	PART NO.	2780222-7	NAMEPLATE SERIAL NO.	749

AT Para.	Test Description/Instruction	Set Point	Required	Data
4.2.2.6	PROOF PRESSURE AND LEAK CHECK			
4.2.2.6.2	Output Port Pressure	4500 \pm 50 psi		4514
	Time	2-4 minutes		2
<input checked="" type="checkbox"/> KEY B1	Leak	Less than a drop		0
4.2.2.6.3	Supply Port Pressure	4500 \pm 50 psi		4500
	Time	2-4 minutes		2
<input checked="" type="checkbox"/> KEY B2	Leak	Less than a drop		0
	Case Drain Flow	\leq 11.0 gpm		4.43
4.2.2.6.4	Case Drain Pressure	900 \pm 20 psi		915
	Supply Pressure	900 \pm 20 psi		910
	Output Port	900 \pm 20 psi		914
	Time	2-4 minutes		2
<input checked="" type="checkbox"/> KEY B3	Leak	Less than a drop		0
4.2.3	Low Pressure Leak Test			7
	Case Drain	4-7 psig		7
	Supply Port Pressure	4-7 psig		7
	Output Port Pressure	4-7 psig		6+
	Time	6 hours		6+
<input checked="" type="checkbox"/> KEY B4	Leak	Less than a drop		0

REMARKS	DATE	SEP 04 2019		ACCEPTANCE BOX FT 92
	CAGE CODE	DOCUMENT NO.	REV LTR	
AlliedSignal Aerospace Engines & Systems	70210	AT2780222	R	76

DATA SHEET PAGE 8 OF 11	PART NAME	RAM AIR TURBINE DRIVEN PUMP AND GENERATOR	MFG SERIAL NO.	N/A
	PART NO.	2780222-7	NAMEPLATE SERIAL NO.	749

AT Para.	Test Description/Instruction	Set Point	Required	Data
4.3.1.6	Landing Gear Transition 87 KEAS (AES setting of 92)			
	Steps per Table 2			
	Airstream velocity setting at ASE		92 ±2	94
	Pump "in" temp °F		90 ±30	112.0
	Pump "in" pressure PSIG		40 ±20	45.9
	Pump output pressure PSIG		2200 ±50	2194
	Pump output flow GPM		14.7 min	16.4
	Elect freq Hz		451 ±59	409
	Barometric pressure		Record	29.93
	Room ambient temperature		Record	81.2

Attach reproduced (xerox acceptable) portion of the raw data containing transients, startup and load changes.

REMARKS		DATE SEP 04 2018		<div style="border: 1px solid black; padding: 2px; display: inline-block;"> FT 92 </div>	
				ACCEPTANCE BOX	
AlliedSignal Aerospace Engines & Systems		CAGE CODE 70210	DOCUMENT NO. AT2780222	REV LTR R	PAGE 77

DATA SHEET	PART NAME	RAM AIR TURBINE DRIVEN PUMP AND GENERATOR	MFG SERIAL NO.	N/A
	PAGE 9 OF 11	PART NO.	2780222-7	NAMEPLATE SERIAL NO.

AT Para.	Test Description/Instruction	Set Point	Required				Data			
4.3.2.6	Deployment/Minimum Airspeed Performance (Hydraulic+7.5 KVA Electric) @ 100 KEAS (AES setting of 105)									
	Startup and steps per Table 2		Startup	Step 1	Step 2	Step 3	Startup	Step 1	Step 2	Step 3
	Airstream velocity setting at ASE		105 ±2				107	107	107	107
	Pump "in" temp °F		90 ±30				79.3	90.5	111.7	111.9
	Pump "in" pressure PSIG		55 max.				42.7	45.7	51.0	43.4
	System pressure (22) PSIG	600 ±50	—	—	—	—	630			
	Pump output pressure PSIG	1500 ±50	2200 ±50	3025 ±50	1475 ±50	1475 ±50	1501	2199	2992	1477
	Pump output flow GPM	20 min	14.7 min	2 max	20 min	20 min	21.30	16.70	0.33	21.31
D1	Elect freq Hz	—	451 ±59	—	451 ±59	451 ±59		409		411
D1	Phase 1 voltage Volts	—	115 ±2	—	115 ±2	115 ±2		114.9		114.8
	Phase 2 voltage Volts	—	115 ±2	—	115 ±2	115 ±2		115.8		115.7
	Phase 3 voltage Volts	—	115 ±2	—	115 ±2	115 ±2		115.0		115.1
	Phase 1 current amps	—	Record	—	Record	Record		22.78		22.81
	Phase 2 current amps	—	Record	—	Record	Record		22.74		22.74
	Phase 3 current amps	—	Record	—	Record	Record		23.02		22.99
	Phase 1 PF	—	1.0	—	1.0	1.0		1.0		1.0
	Phase 2 PF	—	1.0	—	1.0	1.0		1.0		1.0
	Phase 3 PF	—	1.0	—	1.0	1.0		1.0		1.0
	Total electrical power KVA min	—	7.5	—	7.5	7.5		7.79		7.78
	Startup time seconds	5.6 max	—	—	—	—	4.0			
	Generator Startup seconds	16.6 max	—	—	—	—	11.5			
C1	Stability (Figure 16)	—	See Figure 16 (Pass/Fail)					PASS	PASS	PASS
	Barometric pressure		Record					29.93		
	Room ambient temperature		Record					78.7		

Attach reproduced (xerox acceptable) portion of the raw data containing transients, startup and load changes.

REMARKS	DATE	SEP 04 2019		ACCEPTANCE BOX	FT 92
	CAGE CODE	DOCUMENT NO.	REV LTR		
AlliedSignal Aerospace Engines & Systems	70210	AT2780222	R	78	

DATA SHEET PAGE 10 OF 11	PART NAME	RAM AIR TURBINE DRIVEN PUMP AND GENERATOR	MFG SERIAL NO.	N/A
	PART NO.	2780222-7	NAMEPLATE SERIAL NO.	749

AT Para.	Test Description/Instruction	Set Point	Required				Data			
4.3.3.6	High Airspeed Performance 175-385 KEAS (Maximum AES Wind Tunnel Setting)									
	Startup and steps per Table 2		Startup	Step 1	Step 2	Step 3	Startup	Step 1	Step 2	Step 3
	Airstream velocity setting at ASE				175 min		186	186	186	186
	Pump "in" temp °F				90 ±30		86.3	92.3	117.8	114.6
	Pump "in" pressure PSIG				55 max		41.9	44.9	51.2	47.3
	System pressure (22) PSIG		600 ±50	—	—	—	651	—	—	—
KEY D3	Pump outlet pressure PSIG		1500 ±50	2200 ±50	3025 ±50	1475 ±50	1499	2192	3004	1473
KEY D4	Pump outlet flow GPM		20 min	14.7 min	2 max	20 min	23.25	17.78	0.21	22.68
	Elect freq Hz		—	451 ±59	—	451 ±59	—	435	—	435
	Phase 1 voltage Volts		—	115 ±2	—	115 ±2	—	114.7	—	114.5
	Phase 2 voltage Volts		—	115 ±2	—	115 ±2	—	115.6	—	115.6
	Phase 3 voltage Volts		—	115 ±2	—	115 ±2	—	115.1	—	114.9
	Phase 1 current amps		—	Record	—	Record	—	22.70	—	22.65
	Phase 2 current amps		—	Record	—	Record	—	22.60	—	22.60
	Phase 3 current amps		—	Record	—	Record	—	22.91	—	22.85
	Phase 1 PF		—	1.0	—	1.0	—	1.0	—	1.0
	Phase 2 PF		—	1.0	—	1.0	—	1.0	—	1.0
	Phase 3 PF		—	1.0	—	1.0	—	1.0	—	1.0
KEY C2	Total electrical power KVAmin		—	7.5	—	7.5	—	7.74	—	7.71
	Startup time seconds		5.6 max	—	—	—	3.0	—	—	—
	Generator startup seconds		16.6 max	—	—	—	10.1	—	—	—
	Acceleration level g x		—	2 g pk max (1 per rev. component)			—	0.02	0.01	0.02
	Acceleration level g y		—	2 g pk max (1 per rev. component)			—	0.20	0.32	0.19
	Acceleration level g z		—	2 g pk max (1 per rev. component)			—	0.35	0.06	0.39
	Stability (Figure 16)		—	See Figure 16 (Pass/Fail)			—	PASS	PASS	PASS
	Barometric pressure			Record			—	29.93	—	—
	Room ambient temperature			Record			—	79.0	—	—

Strip chart copy attached

Done


REMARKS	DATE	SEP 04 2019		ACCEPTANCE BOX FT 92
	CAGE CODE	DOCUMENT NO.	REV LTR	
AlliedSignal Aerospace Engines & Systems	70210	AT2780222	R	79

DATA SHEET PAGE 11 OF 11	PART NAME	RAM AIR TURBINE DRIVEN PUMP AND GENERATOR	MFG SERIAL NO.	N/A
	PART NO.	2780222-7	NAMEPLATE SERIAL NO.	749

<u>AT Para.</u>	<u>Test Description/Instruction</u>	<u>Set Point</u>	<u>Required</u>
5.	After-Test Examination:		Accept
	Damage		Accept
	Static Leakage		Less than 1 drop

Data
 ACCEPT
 1500A
 8

AJW

REMARKS		DATE	SEP 04 2019 ACCEPTANCE BOX 	
AlliedSignal Aerospace Engines & Systems		CAGE CODE	DOCUMENT NO.	REV LTR
		70210	AT2780222	R
				PAGE
				80

Air Salvage International, ID: 18-074-1616

Part No: 2780222-7

Desc: RAM AIR TURBINE

Serial No: 749

Qty: 1

Notes: 101-7828 TO 101-7830

As removed from B777 MSN 36302

Registration A6-LRC On 14/05/2019 10:57:51



To Whom it may concern,

This statement is to confirm that all components removed from Boeing 777-200LR A6-LRC MSN 36302 have been removed in accordance with Boeing 777 AMM, Part II, P&P D633W101-ETI.

Each component removed from Boeing 777-200LR A6-LRC MSN 36302 was not subject to any abnormal heat, stress during the AMM removal tasks.

Each component has been removed in "AS IS" condition and will require to be inspected and recertified as per the applicable, latest revision component maintenance manual (CMM) by an approved maintenance repair organisation (MRO) facility.

Yours Faithfully.



Jamie Short
Base Manager
Air Salvage International



Air Salvage International Ltd

- 001 -
Engineering

ETIHAD AIRWAYS

FLEET ENGINEERING OCCM TIME STATUS



Unit TSN:	44123:53	Unit Name:	A6-LRC
Unit CSN:	4796	Item:	B777-200LR
Unit DSN:	4231	Serial:	36302
Unit MSN:	36302	Status AS AT:	14-Jan-19

ATA	Item Desc	Item Number	Serial Number	Position	Installed Date	Installed Aircraft TSN	Installed Aircraft CSN	COMP TSN	COMP CSN
29-00	PUMP ASSY,AIR DRIVE UNIT	3505920-9	1602	PUMP ASSY,AIR DRIVEN PUMP_UPR	1-Oct-13	24246	2890	22687	2620
29-00	MODULE	732-11610-02	47-9223	MODULE ASSY, RESERVOIR PX_3	25-May-15	29174	3459	49658	5696
29-11	SWITCH, AUTOBRAKE	211C223-534	G061093A	HYD PRESSURE SWITCH_2	24-Jul-07	0	0	44123	4796
29-11	SWITCH, AUTOBRAKE	211C223-534	G061099A	HYD PRESSURE SWITCH_1	24-Jul-07	0	0	44123	4796
29-11	RELIEF VALVE	2615	1993	RELIEF VALVE_4	24-Jul-07	0	0	44123	4796
29-11	VALVE ASSY, DRAIN, HYD	3-111794	28556	DRAIN VALVE_1	24-Jul-07	0	0	44123	4796
29-11	VALVE ASSY, DRAIN, HYD	3-111794	28579	DRAIN VALVE_2	24-Jul-07	0	0	44123	4796
29-11	VALVE ASSY, DRAIN, HYD	3-111794	28586	DRAIN VALVE_3	24-Jul-07	0	0	44123	4796
29-11	ENGINE DRIVEN PUMP ABEX	66132-04	661321596	EDP PUMP_AY_1	24-Jul-07	0	0	44123	4796
29-11	AC MP PUMP	66133-04	1317	ACMP PUMP_1	24-Jul-07	0	0	44123	4796
29-11	AC MP PUMP	66133-04	1321	ACMP PUMP_LH	24-Jul-07	0	0	44123	4796
29-11	AC MP PUMP	66133-04	1322	ACMP PUMP_2	24-Jul-07	0	0	44123	4796
29-11	MODULE ASSY,	7592100-101	0665	MODULE ASSY,_1	24-Jul-07	0	0	44123	4796
29-11	HYDIM,PRINTED CIRCUIT ASSY	285W0017-101	D00601	HYDIM,PRINTED CIRCUIT ASSY_LHC	11-May-10	11081	1010	32984	3792
29-11	HYDIM,PRINTED CIRCUIT ASSY	285W0017-104	D02652	HYDIM,PRINTED CIRCUIT ASSY_RH	9-May-12	20079	2137	24044	2660
29-11	HYDIM,PRINTED CIRCUIT ASSY	285W0017-104	D02658	HYDIM,PRINTED CIRCUIT ASSY_LH	9-May-12	20079	2137	43141	4755
29-11	HYDIM,PRINTED CIRCUIT ASSY	285W0017-104	D03055	HYDIM,PRINTED CIRCUIT ASSY_RHC	9-May-12	20079	2137	24044	2660
29-11	AC MP PUMP	66133-04	66133041004	ACMP PUMP_RH	17-Nov-17	43355	4732	767	64
29-18	INDICATOR RES FILL	10100N03Y00	07021648	INDICATOR/RES FILL_1	24-Jul-07	0	0	44123	4796
29-21	TURBINE ASSY,RAM AIR TURB	2780222-7	749	TURBINE ASSY,RAM AIR TURB	24-Jul-07	0	0	44123	4796
29-21	UNIT,GENERATOR CNTRL,RAT	2763182-3	06E0636	UNIT,GENERATOR CNTRL,RAT	24-Jul-07	0	0	44123	4796
30-00	PROBE	0871DL6	03910	PROBE-ICE DETECTOR_LH	24-Jul-07	0	0	44123	4796
30-00	PROBE	0871DL6	03942	PROBE-ICE DETECTOR_RH	24-Jul-07	0	0	44123	4796
30-00	WIPER CONTROL, CAPTAIN	233W3205-3	D00658	WIPER CONTROL MODULE_11	24-Jul-07	0	0	44123	4796
30-00	MODULE	233W3206-5	D00639	WIPER CONTROL MODULE_12	24-Jul-07	0	0	44123	4796
30-00	MODULE	233W3208-1	D00659	ANT-ICE MODULE_1	24-Jul-07	0	0	44123	4796

Handwritten signature/initials.

Date: 16 January, 2019
To: Altavair

Non Incident / Non Accident Statement - Airframe

Aircraft

Registration	MSN	Type	TSN	CSN
A6-LRC	36302	B777-200LR	44123:53	4796

To whom it may concern:

During operation by Etihad Airways from 06-February-2014 until 16-January-2019 of the above Aircraft, we hereby confirm that the Aircraft:

- ▶ Has not been involved in any accident or serious incident as defined in Chapter 1 of ICAO Annex 13
- ▶ Has not been obtained from nor operated by any government or military source.
- ▶ Has not been subjected to severe stress or heat outside of normal operation and maintenance.
- ▶ Have not been submerged in salt water or otherwise exposed to corrosive agents outside of normal operation and maintenance.

Approved by:

Najeeb Hassan Ansari
B777 Fleet Management Manager
+971 2 511 5459
NAnsari@etihad.ae

Prepared by:

Renz Estiva
Technical Records Officer
+971 2 511 5324
REstiva@etihad.ae

BILL OF SALE

KNOW ALL PERSONS BY THESE PRESENTS;

THAT THE BOEING COMPANY (SELLER), a Delaware corporation whose address is Box 3707, Seattle, Washington, is the owner of the full legal and beneficial title to that certain BOEING MODEL 777-237LR AIRCRAFT (generic airframe model 777-200) manufactured by THE BOEING COMPANY bearing REGISTRATION IDENTIFICATION VT-ALC and MANUFACTURER'S SERIAL NUMBER 36302, together with the two (2) GE90-110B1 series engines (generic engine model GE90-110B1) installed thereon, manufactured by General Electric, bearing MANUFACTURER'S SERIAL NUMBERS 906302 and 906303, respectively, together with all appliances, parts, instruments, appurtenances, accessories, furnishings, or other equipment or property installed on or attached to said aircraft and engines, other than equipment furnished by AIR INDIA LIMITED (BFE).

THAT for and in consideration of the sum of \$1.00 and other valuable consideration SELLER does this 27 day of JULY, 2007, grant, convey, transfer, bargain and sell, deliver and set over, at Everett, Washington, pursuant and subject to the terms and conditions of Purchase Agreement No. 2997 dated December 30, 2005, all of SELLER'S right, title and interest in and to the above described aircraft, engines, appliances, parts, instruments, appurtenances, accessories, furnishings and/or other equipment or property (other than BFE) unto AIR INDIA LIMITED (BUYER), and unto its successors and assigns forever.

THAT SELLER hereby warrants to BUYER, its successors and assigns, that there is hereby conveyed to BUYER on the date hereof, good title to the aforesaid aircraft, engines, appliances, parts, instruments, appurtenances, accessories, furnishings and/or other equipment or property (other than BFE), free and clear of all liens, encumbrances and rights of others, and that it will warrant and defend such title forever against all claims and demands whatsoever.

THIS Bill of Sale is delivered by SELLER to BUYER in Everett, Washington, and governed by the law of the State of Washington.

IN WITNESS WHEREOF, SELLER has caused this instrument to be executed by its duly authorized Attorney-In-Fact this 27 day of JULY, 2007.

THE BOEING COMPANY

By

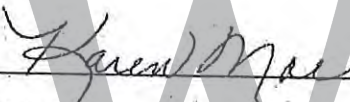
Title Attorney-In-Fact

ACKNOWLEDGMENT

STATE OF WASHINGTON)
) ss.
COUNTY OF KING)

On this 27 day of JULY, 2007, S. M. Douglas, known to me, the undersigned (a Notary Public in and for the State of Washington, duly commissioned and sworn), to be the duly authorized Attorney-In-Fact of THE BOEING COMPANY, the corporation that executed the foregoing instrument, to me acknowledged the said instrument to be the free and voluntary act and deed of said corporation for the uses and purposes therein mentioned, and on oath stated that he is authorized to execute the said instrument on behalf of said corporation by authority of their Boards of Directors.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal.



KAREN MOE

Notary Public in and for the State
of Washington, residing at Kirkland,
County of King.
Commission expiration date: 08/14/10.

Notary Public
State of Washington
KAREN MOE
My Appointment Expires Aug 14, 2010

BILL OF SALE

Know all men by these presents that National Aviation Company of India Limited (the "Seller"), having an office at Old Airport, Santacruz (E), Mumbai 400 029, India, is the owner of the title to the following airframe (the "Airframe"), the engines as specified (the "Engines"), and all appliances, components, parts, instruments, appurtenances, accessories, furnishings, modules and other equipment of any nature incorporated therein, installed thereon or attached thereto on the date hereof and all records, documents and technical manuals related thereto (the "Parts").

MANUFACTURER OF AIRFRAME: **MANUFACTURER OF ENGINES:**

THE BOEING COMPANY

GENERAL ELECTRIC COMPANY

MODEL: 777-200LR

MODEL: GE-90-110B1

MANUFACTURER'S SERIAL

MANUFACTURER'S SERIAL

NO: 36302

NOs: 906302 and 906303

REGISTRATION MARK: VT-ALC

The Airframe, Engines and Parts are hereafter together referred to as the "Equipment".

That for and in consideration of the sum of \$1.00 and other good and valuable consideration, receipt of which is hereby acknowledged, the Seller does this 6th day of November 2007 hereby grant, bargain, sell, convey, transfer, set over and deliver all of its rights, title and interest to and in the Equipment to the following entity and to its successors and permitted assigns for its and their use forever:

Golden State Aircraft LLC (the "Buyer")

Rodney Square North

1100 North Market Street

Wilmington, Delaware

19890-0001

The Seller hereby warrants to the Buyer, its successors and permitted assigns that it has on the date hereof good and lawful right to sell, deliver and transfer title to the Equipment to the Buyer and that there is hereby conveyed to the Buyer on the date hereof good, legal and valid

title to the Equipment, free and clear of all claims, charges, Liens (other than Permitted Liens) and rights of others and that the Seller will warrant and defend such title forever against all claims and demands whatsoever.

This Bill of Sale is executed and delivered by Seller to Buyer pursuant to the Sale Agreement dated even date herewith between Seller and Buyer (the "Sale Agreement").

Terms used herein bear the same respective meanings as are ascribed thereto (whether directly or by incorporation therein) in the Sale Agreement.

This Bill of Sale shall in all respects be governed by, and construed in accordance with, the internal laws of the State of New York, United States of America without reference to principles of conflicts of law other than Section 5-1401 and Section 5-1402 of the New York General Obligations Law.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be executed by their duly authorised representatives this 06th day of November 2007 at 3:30 PM ^{EST} (New York time), at which time the Airframe and the Engine bearing MSN 906302 was located at John F. Kennedy Airport, New York, New York and the Engine bearing MSN 906303 was located in international airspace.

AJW

Accepted:

fm

GOLDEN STATE AIRCRAFT LLC

by Golden State Statutory Trust, its Manager

by Wilmington Trust Company, not in its individual capacity, but solely as trustee

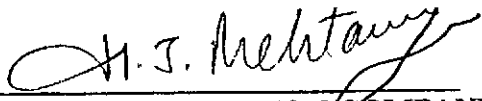
Name:

J. Christopher Murphy

Title:

Financial Services Officer

AJW



NATIONAL AVIATION COMPANY OF INDIA LIMITED

Name: H. J. MEHTAJI

Title: Regional Finance & Accounts Manager - USA & CANADA

AJW

AIRCRAFT BILL OF SALE

Date: 5 February 2014

KNOW ALL MEN BY THESE PRESENTS:

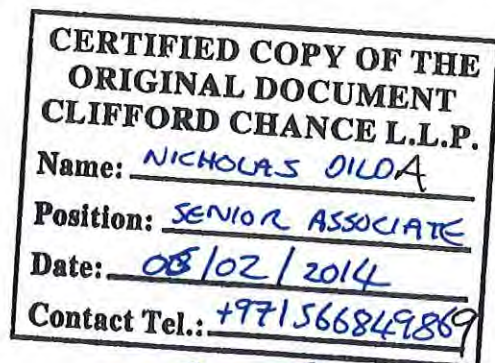
THAT GOLDEN STATE AIRCRAFT LLC, a company incorporated and existing under the laws of Delaware (hereinafter referred to as the "**Owner**") is the legal owner of (a) that one (1) Boeing 777-200LR aircraft bearing manufacturer's serial number 36302 (the "**Aircraft**"), (b) all appliances, components, parts, instruments, accessories, furnishings, modules, navigational and communications equipment and other equipment and property of whatever nature (other than complete Engines, as hereinafter defined) incorporated in, installed on or attached to the Aircraft on the date hereof (collectively, the "**Parts**"), (c) two (2) General Electric GE90-110B1L1 engines bearing manufacturer's serial numbers 906275 and 906376 and any and all Parts incorporated in, installed on or attached to such engines on the date hereof (the "**Engines**") and (d) all logbooks, Aircraft records, books, handbooks, drawings, manuals, flight records, historical, operational and maintenance data for the Aircraft and any other document owned by the Seller in connection with the Aircraft (the "**Aircraft Documentation**").

THAT for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Owner does hereby grant, convey, transfer, bargain and sell, deliver and set over in favour of Etihad Airways P.J.S.C. all of the Owner's right, title and interest in and to the Aircraft, the Engines, the Aircraft Documentation and the Parts and each of its successors and assigns forever.

THAT this Bill of Sale is delivered pursuant to the Sale and Purchase Agreement dated 5 December 2013 between Air India Limited and Etihad Airways P.J.S.C. and capitalized terms used herein and not otherwise expressly defined shall have the meanings given such terms (or assigned to them by reference) therein.

THAT the Aircraft, Engines, the Aircraft Documentation and Parts are sold in an "as-is, where-is" condition and without recourse or warranty being given by the Seller (and any and all implied warranties or terms are hereby expressly excluded).

THAT this Bill of Sale shall be governed by and construed in accordance with the laws of England and is executed as a deed and delivered by a duly authorised representative of the Owner on this 5th day of February, 2014, at Abu Dhabi, United Arab Emirates, at which time the Aircraft is located at Abu Dhabi, United Arab Emirates.



Executed as a deed by

GOLDEN STATE AIRCRAFT LLC

by Golden State Statutory Trust, as Manager
by Wilmington Trust Company, not in its individual capacity
but solely as Trustee

Signed by
a duly authorised
representative for and
on behalf of
Golden State Aircraft LLC

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)
)
)
)



Steve Barone
Assistant Vice President

By its countersignature below, Air India Limited hereby grants, conveys, transfers, bargains and sells, delivers and sets over in favour of Etihad Airways P.J.S.C. all of Air India's right, title and interest in and to the Aircraft, the Engines, the Aircraft Documentation and the Parts and each of its successors and assigns forever and warrants to the Buyer, and its successors and assigns and hereby warrants to the Buyer, and its successors and assigns, that there is hereby conveyed to the Buyer with full title guarantee good and marketable title to the Aircraft, the Engines, the Aircraft Documentation and the Parts and all of the Seller's and all of Air India's right, title and interest in and to the Aircraft, the Engines, the Aircraft Documentation and the Parts free and clear of all Security Interests.

Executed as a deed by

AIR INDIA LIMITED

Signed by
a duly authorised
representative for and
on behalf of
Air India Limited

)
)
)
)
)

Executed as a deed by

GOLDEN STATE AIRCRAFT LLC

by Golden State Statutory Trust, as Manager
by Wilmington Trust Company, not in its individual capacity
but solely as Trustee

Signed by)
a duly authorised)
representative for and)
on behalf of)
Golden State Aircraft LLC)

By its countersignature below, Air India Limited hereby grants, conveys, transfers, bargains and sells, delivers and sets over in favour of Etihad Airways P.J.S.C. all of Air India's right, title and interest in and to the Aircraft, the Engines, the Aircraft Documentation and the Parts and each of its successors and assigns forever and warrants to the Buyer, and its successors and assigns and hereby warrants to the Buyer, and its successors and assigns, that there is hereby conveyed to the Buyer with full title guarantee good and marketable title to the Aircraft, the Engines, the Aircraft Documentation and the Parts and all of the Seller's and all of Air India's right, title and interest in and to the Aircraft, the Engines, the Aircraft Documentation and the Parts free and clear of all Security Interests.

Executed as a deed by

AIR INDIA LIMITED

Signed by)
a duly authorised)
representative for and)
on behalf of)
Air India Limited)


Harjeet Sawhney
Manager - Air India
Abu Dhabi & Al Ain

ص.ب: ٣٥٥٦٦، أبوظبي، الامارات العربية المتحدة.
هاتف: +٩٧١ ٢٥١١٠٠٠، فاكس: +٩٧١ ٢٥١١٢٠٠
www.etihadairways.com
الناقل الوطني لدولة الامارات العربية المتحدة

BILL OF SALE

By this Bill of Sale, **UNION 23 LEASING LIMITED** (the **Seller**) hereby confirms that the Seller grants, transfers and delivers to **ETIHAD AIRWAYS P.J.S.C.** (the **Buyer**) at Abu Dhabi on 1 October 2018 at 4:13 a.m./p.m. (Abu Dhabi time) all its right, title and interest in and to:

1. one Boeing 777-200LR aircraft bearing manufacturer's serial number 36302;
2. one GE90 115B engine and one GE90 110B engine bearing manufacturer's serial numbers 906275 and 906376;
3. all Parts; and
4. the Manuals and Technical Records,

(hereinafter referred to as the **Aircraft**), as originally granted, transferred and delivered to the Seller pursuant to an aircraft sale and purchase agreement dated 23 September 2014 (the **Aircraft Sale and Purchase Agreement**),

and hereby conveys, transfers, sells and delivers with full title guarantee to the Buyer such title to the Aircraft and all its right, title and interest in and to the Aircraft free and clear of all liens, claims, charges encumbrances and rights of others and the Seller hereby agrees to warrant and defend such title forever against all claims and demands whatsoever.

In this Bill of Sale, words and expressions defined in the Aircraft Sale and Purchase Agreement (whether defined therein or incorporated by reference) will bear the same respective meanings unless otherwise defined herein.

This Bill of Sale is governed and construed in accordance with English law.

IN WITNESS whereof, the Seller has caused this Bill of Sale to be duly executed and delivered as a deed this 1st day of October 2018

SIGNED, SEALED and DELIVERED

as a deed by

as authorised signatory for and in the name of

)
)
)
)



John Curran
Director

UNION 23 LEASING LIMITED

)
)

in the presence of:

Witness' signature:

Witness' name:

Witness' Address:



Michael Byrne
Unit C1407
Level 14, Burj Daman
DIFC
PO Box 506734, Dubai
United Arab Emirates

Bill of Sale – MSN 36302 Airframe

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Etihad Airways PJSC ("**Seller**"), owner of the full legal and beneficial title to the aircraft airframe, equipment and documents described below (hereinafter referred to as the "**Airframe**"):

- 1 one (1) Boeing 777-200LR airframe bearing manufacturer's serial number 36302;
- 2 all equipment, accessories and parts belonging to, installed in or appurtenant to such aircraft airframe; and
- 3 the Aircraft Documents (as defined below),

does hereby sell, grant, transfer and deliver all its right, title and interest in and to the Airframe to SFTS EY-777 Airframes, LP ("**Purchaser**"), with full title guarantee to have and to hold the Airframe forever. Seller hereby warrants to Purchaser, and its successors and assigns, that it is the legal and beneficial owner of the Airframe, that there is hereby conveyed to Purchaser full legal and beneficial good and marketable title to the Airframe free and clear of any Security Interests (as defined below), and that it will forever defend such title against any and all such non-permitted claims and demands whatsoever.

The terms "Aircraft Documents" and "Security Interests" shall have the following meanings in this Bill of Sale as such terms relate to the Airframe:

Aircraft Documents means all records, logs, manuals, technical data, tags and other documents in respect of the specification, maintenance, modification and repair of the Airframe whether printed on paper or stored on any disk or electronic medium, and in the case of the latter includes any software not generally available to Purchaser and necessary to store and retrieve such data; and

Security Interest means any mortgage, charge (whether fixed or floating), pledge, lien, hypothecation, assignment, trust arrangement, or security interest of any kind or other agreement or arrangement having the effect of conferring security (including title transfer and/or retention arrangements having a similar effect).

This Bill of Sale is governed by, and shall be construed in accordance with, the laws of England.

IN WITNESS WHEREOF, Seller has caused this Bill of Sale to be duly executed as a deed and delivered this 16 day of January 2019, while the Airframe was located at Kemble, UK, at 10:06 AM local time.

EXECUTED as a DEED and DELIVERED
for and on behalf of

Etihad Airways PJSC

by

ANDREW FISHER

being persons who, in accordance
with the laws of its jurisdiction of
incorporation, are duly authorized
to execute this deed on its behalf

)
)
)
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)
)
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)
)



in the presence of

Witness Signature:

Witness Name: OLIVER WATTS

Witness Occupation: HEAD FLEET PROJECTS

Witness Address: ETIHAD AIRWAYS, NEW AIRPORT RD.

Foreign Seller KHAILFA CITY, ABU DHABI, UAE.

AJW

Bill of Sale

By this Bill of Sale, SFTS EY-777 Airframes, LP (the "Seller") does hereby sell, grant and transfer to A J Walter Aviation Limited (the "Buyer") free and clear of any and all Security created by the Seller, in accordance with the terms of an Airframe Sale Agreement dated 7 September 2018 (the "Sale Agreement") and made between the Seller and the Buyer, all its rights, title and interest in and to:

1. one (1) Boeing 777-200LR airframe with manufacturer's serial number 36302;
2. all equipment, accessories and Parts belonging to, installed in or appurtenant to such airframe to the extent title thereto is vested in the Seller on the Delivery Date; and
3. the Technical Records,

(the "Airframe") whilst the Airframe is located at Kemble, United Kingdom at 2.07 pm (local time)

The Airframe is sold "as is where is" to the Buyer for good and valuable consideration, receipt of which is hereby acknowledged by the Seller.

The Seller hereby warrants to the Buyer, its successors and assigns that the Seller has conveyed to the Buyer, subject to and in accordance with the provisions of the Sale Agreement, good marketable title to the Airframe free and clear of all Security and the Seller agrees with the Buyer and its successors and assigns that the Seller will warrant and defend such title forever against all claims and demands whatsoever.

Capitalised terms used but not defined herein shall have the meanings given to them in the Sale Agreement.

This Bill of Sale and any non-contractual obligations arising out of or in connection with it are governed by English law.

Dated the 16th day of January 2019

IN WITNESS WHEREOF SFTS EY-777 Airframes, LP by its duly authorised representative, executed this Bill of Sale.



Timothy D. A. O'Hara
Vice President

For and on behalf of

SFTS EY-777 Airframes, LP
(by Shooting for the Stars VII, LLC, its general partner)