

**U.S. Airways Express operated by Piedmont Dash 8-102 S/N 390**

Auditor	Report Date	Owner	Operator	Total Hrs	Total Cyc
Michael Boettcher	1-Oct-09	Bank of America	Allegheny		
Aircraft Type	A/C Serial No	A/C Reg	Build Date		
DHC-8-102	390	N827EX	Oct-94	36,164	39,774

**Airframe Configuration**

EFIS	APU	FMS	TCAS	Seats	Avionics
NO	YES	YES/ KNS660	YES/Honeywell	37	King

**STC Installations**

Installation of reinforced flight deck door via ST01195SE  
 Installation of FDR expanded parameters via ST01929AT-D  
 Installation of wiring and antennas for Magellen ACARS and GPS via ST00365LA (not active)  
 Honeywell Single Mode S TCAS IAW AMR Combs STC SA4093NM & SA4092NM  
 Installation of alternate windshield control units STC ST1772AT (removed)  
 Installation of APU intake rain gutter STC01172NY  
 Deletion of APU Oil Cooler Door IAW ST01396NY  
 Installation of EWPWS STC ST02604AT  
 Installation of Ground Service Bus IAW STC ST00998NY  
 Modified Exhaust Shroud IAW STC ST00389NY

**Weight & Balance**

MTOW	34,500	Weight	23,699.0
Last Weighing	31-Oct-05	Arm	393.70
		Moment	9,330,408.8

**Left Engine**

Left Type	Serial Number	Total Cycles		Total Hours		Since HSI Hours
		FC Since New	FC Since Major	FH Since New	FH Since Major	
PW120A (TM)	121353	33992	9049	30752.9	8260.1	3674.0
Reduction Gear Box (RGB)	120536	51631	4885	46496.0	4463.2	N/A
Manufacture Date	Jul-94	ECTM(Yes/No)	YES	HT/OC	O/C	HT LIMIT
Shop Visit History	TSN	CSN	Comments	Agency	WO#	Date
TM Last Major:	22492.8	24943	Major Refurbishment	Lufthansa	046-04-003	26-Mar-04
Last Hot Section	27078.9	29933	Hot Section	Lufthansa	047 07 037	28-Nov-07
RGB Last Major	42032.8	46746	Overhaul	Lufthansa	047 07 001	30-Jan-07

**Left Engine Life Limited Components**

Description	Part Number	Serial No	Total Cycles		
			Since New	Remaining	Cycle Limit
LP impeller	3040689	A001EAE1	9049	15,951	25000
HP impeller	3043243	A001E1PO	9049	20,951	30000
HPT Cover Frnt	3049049-01	A0004BOW	4059	10,941	15000
HPT Cover Rear	3041486	A0003YEX	4059	10,941	15000
HP Turbine Disk	3045591	A0009B4F	4059	10,941	15000
Interstage seal	3041474	63B035	4059	10,941	15000
LP Turbine Disk	3036212	A0008M23	27847	2,153	30000
PT Disk Stg 1	3038613	77A196	858	29,142	30000
PT Disk Stg 2	3033914	84A118	858	29,142	30000
HPT Blades	3115301-01		16947	-1,947	15000

**Right Engine**

Engine Currently at Lufthansa

Right Type	Serial Number	Total Cycles		Total Hours		Since HSI Hours	
		Since New	Since O/H	Since New	Since O/H		
PW120A	<b>PCE 121354</b>	36567	6686	33227.9	6052.1	6052.1	
Reduction Gear Box	<b>121354</b>	33345	18563	30321.7	17139.0	N/A	
Manufacture Date		ECTM(Yes/No)		HT/OC		HT LIMIT	
Shop Visit History		TSN	CSN	Comments	Agency	WO#	Date
TM Last Major:		27175.8	29881	Overhaul	Lufthansa	047 06 030	21-Nov-06
Last Hot Section:		27175.8	29881	Overhaul	Lufthansa	047 06 030	21-Nov-06
RGB Last Visit:		13182.7	14782	Overhaul	Lufthansa	046 00 006	4-Apr-00

**Right Engine Life Limited Components**

Description	Part Number	Serial No	Total Cycles		
			Since New	Remaining	Cycle Limit
LP Impeller	3108613-01	A0018E52	13959	11,041	25000
HP Impeller	3043243	A0022X05	6686	23,314	30000
HPT Cover Frnt	3049049-01	A0021WW2	6686	8,314	15000
HPT Cover Rear	3041486	A00234T1	6686	8,314	15000
HP Turbine Disk	3045591	A0022NE3	6686	8,314	15000
Interstage seal	3041474	TPAA3151	6686	8,314	15000
LP Turbine Disk	3036212	A0022L52	6686	23,314	30000
PT Disk Stg 1	3038613	A0022NXW	6686	23,314	30000
PT Disk Stg 2	3033914	A0021F59	6686	23,314	30000
HPT Blades	3115301-01		0	15,000	15000

**Landing Gear**

Nose Description	Part Number	Serial No	Safelife (Unit)		Calender Restore (Unit)		Cycle Restore (Unit)		D/H Limit(C)	Safelife Limit(D)	Cal Limit(D)	
			Since New (C)	Cycles Remain	Restore Date	Due Date(D)	Since (CSR)	Remain (C)				
<b>Shock Strut Assy</b>	<b>8800-125</b>	<b>DCL142/87</b>	54582	5418		0-Jan-00	54582	-29582	25000	60000		
Drag Strut	8200-103	DCL419/94	30305	29695		1-Jan-15	30000	30000	30000	60000	5480	
Outer Cylinder	8814-11	DCL533	37837	11513		30-Dec-09	37837	-12837	25000	49350	3652	
Inner Cylinder	8804-1	DCL788	54445	5555		30-Dec-09	54445	-29445	25000	60000	3652	
Piston Shock Strut	8812-1	DCL687	24250	35750		30-Dec-09	24250	750	25000	60000	3652	
Trailing Arm	8834-3	40	58851	1149		30-Dec-09	58851	-33851	25000	60000	3652	
Axle	8832-1	BM1215	5663	54337		30-Dec-09	5663	19337	25000	60000	3652	
<b>LEFT MAIN</b>												
<b>Shock Strut Assy</b>	<b>10100-123</b>	<b>DCL211/87</b>	51848	8152		9-Nov-03	10-Nov-15	14368	15632	30000	60000	4384
Yoke Assy	10300-7	DCL601/94	39774	20226		22-Oct-94	23-Oct-09	39774	-9774	30000	60000	5480
Drag Strut	10200-11	DCL525/91	37305	22695		30-Apr-04	1-May-16	7135	22865	30000	60000	4384
Stabilizer Stay	10400-105	DCL370/89	53861	6139		1-Jan-15	1-Jan-15	53861	-23861	30000	60000	5480
Cylinder	10115-11	DCL1224	4512	55488		7-Dec-07	8-Dec-19	3931	26069	30000	60000	4384
Piston	10104-9	0312WHM	55042	4958		9-Nov-03	10-Nov-15	14368	15632	30000	60000	4384
Upper Torque Link	10135-3	DCL450	17792	42208		5-Jun-09	6-Jun-24	641	29359	30000	60000	5480
Lower Torque Link	10125-3	DCL291	35538	24462		12-Oct-00	14-Oct-15	5881	24119	30000	60000	5480
Pin, Strut to Yoke	10150-5	DCL1360	14368	14712					n/a	29080	n/a	
<b>RIGHT MAIN</b>												
<b>Shock Strut Assy</b>	<b>10100-119</b>	<b>DCL306/88</b>	57651	2349		27-Apr-98	28-Apr-10	28832	1168	30000	60000	4384
Yoke Assy	10300-7	DCL600/94	39774	20226		22-Oct-94	23-Oct-09	39774	-9774	30000	60000	5480
Drag Strut	10200-11	DCL602/94	39774	20226		22-Oct-94	23-Oct-06	39774	-9774	30000	60000	4384
Stabilizer Stay	10400-105	DCL646/94	39774	20226		22-Oct-94	23-Oct-09	39774	-9774	30000	60000	5480
Cylinder	10115-9	DCL1024	28832	31168		1-Dec-06	2-Dec-18	28832	1168	30000	60000	4384
Piston	10105-9	0397WHM	56117	3883		1-Dec-06	2-Dec-18	28832	1168	30000	60000	4384
Upper Torque Link	10135-3	DCL285	47569	12431		1-Dec-06	2-Dec-21	4861	25139	30000	60000	5480
Lower Torque Link	10125-3	DCL732	40192	19808		1-Dec-06	2-Dec-21	3160	26840	30000	60000	5480
Pin, Strut to Yoke	10150-5	EXC5544	1103	27977			n/a		n/a	29080		

**Propellers**

Left	Type	Manufacture Date	Serial Number			
	14SF-7		940602			
Description	Part Number	Serial No	Total Hours Since MI	Remaining	MI Limit	
Prop Assy	792000-4		SEE HUB		O/C	
Blade #1	SFA13M1ROA+D	873374-7		10,500.0	10500	
Blade #2	SFA13M1ROA+D	875277-7		10,500.0	10500	
Blade #3	SFA13M1ROA+D	885875-7		10,500.0	10500	
Blade #4	SFA13M1ROA+D	886532-7		10,500.0	10500	
Hub	782701-5	1677		10,500.0	10500	
Actuator	790180-2	375		10,500.0	10500	
Transfer Tube	814829-1	945		10,500.0	10500	
Propeller Control Unit	782490-50	950938		10,500.0	10500	

Right	Type	Manufacture Date	Serial Number			
	14SF-7		940604			
Description	Part Number	Serial No	Total Hours Since MI	Remaining	MI Limit	
Prop Assy	792000-4		SEE HUB		O/C	
Blade #1	SFA13M1ROA+D	879531-7		10,500.0	10500	
Blade #2	SFA13M1ROA+D	887207-7		10,500.0	10500	
Blade #3	SFA13M1ROA+D	850925-7		10,500.0	10500	
Blade #4	SFA13M1ROA+D	847696-7		10,500.0	10500	
Hub	782701-5	1951		10,500.0	10500	
Actuator	790180-2	901266		10,500.0	10500	
Transfer Tube	814829-1	641015		10,500.0	10500	
Propeller Control Unit	782490-50	910952		10,500.0	10500	

**APU**

Description	S/N	TSN	CSN	TSR	CSR	LIMIT
Sundstrand	T-62T-40C7B	975191	12638	13567	5380.0	5805
Compressor Wh.	4502893	V42-C5252	X	5805	Cyc Remain	12195
Turbine Wh.	167222-1	V80-H744A	X	5805	Cyc Remain	3195

Last Shop Visit:

**Piedmont Inspection Status**

DESCRIPTION	INTERVAL	LAST	Next due	Remaining
Last A Check	500	32378.0	32878.0	-3286.0
Last C1 CHECK	5000	33981.0	38981.0	2817.0
Last C2 CHECK	10000	33981.0	43981.0	7817.0
Last C3 CHECK	15000	22486.0	37486.0	1322.0
40,000 cycle	40000	0.0	40000.0	226.0

## Avionics

Equipment	Manufacturer	Part Number	Number
Dual Comm	King	KTR908	2
Dual Nav	King	KNR634	2
Dual AHRS	Sperry	AH600	2
Dual DME	King	KDM-706A	2
Dual RMI	Aeronetics	D3137LB2-1C	2
Dual Alt	Sperry	AA300	2
Transponder Mode C	King	KXP756	1
Alt Alerter	Honeywell	7004577-903	1
ADF	King	KDF-806	1
Dual Audio Cont	Avtech	5061-1-1	3
Selcal	Coltech		1
Radar	King	RDS86	1
ELT	Pointer	4000	1
Dual HSI	Honeywell	7001179-951	2
Dual FD	Honeywell	7001182-909	2
Stby Alt	Aero Mech	8047-10DH	1
Dual Clock	Davtrom	83910194-001	2
Stby Art Horiz	Sfena	H321ALM1	1
Radio Alt	Honeywell	7001840-912	1
EGPWS	Honeywell	965-1220-021	1
DFDR	Fairchild	2100-4043-00	1
FDAU	Plessey	612/1/49780/002	1
DCVR	Fairchild	2100-1010-00	1
Air Data Comp	Sperry	AZ800	2
TCAS Comp	Honeywell	4066010-903	1
Transponder Mode S	Honeywell	4061400-905	1
TCAS Controller	Honeywell	4052190-405	1
Dual VSI/TRA Indicators	Honeywell	40672419-860	2
Dual Directional Ant	Honeywell	7514060-901	2
RNAV	King	KNS660	1
<b>Other:</b>	All other equipment standard DHC-8		