



SPECIFICATION & SUMMARY OF TERMS

DHC-8 MODEL 102

8/14/2025



Aircraft information summary



1. Aircraft and Lease Overview

Aircraft	DHC-8 Model 102	
Aircraft Serial Number		
Manufacture Date	30-Jun-1988	
Total Aircraft Time	53220.2	Hours
Total Aircraft Cycles	56689	Cycles

2. Summary of Aircraft Specifications

a. Airframe Details

Operating Data		
Aircraft Basic Weight	23043	lbs
Maximum Takeoff Weight	34500	lbs
Maximum Landing Weight	33400	lbs

Interior Configuration		
Description	Quantity	Details / Location
Cabin Seats	37	Passenger Seats
Flight deck seats	3	2 Crew + 1 Observer
Attendant seats	1	Fwd
Galleys	1	Fwd
Lavatories	1	Fwd

b. Inspection Status

Description	Last Performed			Next Due		Remaining
	Date	FH	FC	FH	Calendar	Hours
A Check	17-Apr-25	52833.1	56327	53333.1	17-Oct-25	112.9
C Check	17-Apr-25	52833.1	56327	57833.1	17-Apr-30	4612.9

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c. Engines

c1. Port Engine

Part Number		Serial Number			
PW120A		PCE-120304			
TSN: 52556.9	CSN: 53600				
TSO: 22116.3	CSO: 5630				
Engine Life Limited Components As Of: 14-Aug-25					
Description	Part Number	CSN @ Installation (Component)	Cycle Limit	CSN	Remaining
Impeller LP	3040689	0	25000	1880	23120
Impeller HP	3043243	0	30000	1880	28120
HP Turbine Front Cover	3049049-01	9719	15000	11599	3401
HP Turbine Disc	3045591	5056	15000	6936	8064
HP Turbine Blades	3115301-01 (Set)	0	15000	1880	13120
HP Turbine Rear Cover	3041486	5056	15000	6936	8064
Interstage Seal	3041474	5056	15000	6936	8064
LP Turbine Disc	3036212	17133	30000	19013	10987
Power Turbine Disc -Stg1	3038613	17133	30000	19013	10987
Power Turbine Disc -Stg2	3033914	21768	30000	23648	6352

c2. Starboard Engine

Part Number		Serial Number			
PW120A		PCE-120439			
TSN: 45199.4	CSN: 43317				
TSO: 21177.6	CSO: 18650				
Engine Life Limited Components As Of: 14-Aug-25					
Description	Part Number	CSN @ Installation (Component)	Cycle Limit	CSN	Remaining
Impeller LP	3040689	15739	25000	16098	8902
Impeller HP	3043243	9589	30000	9948	20052
HP Turbine Front Cover	3049049-01	3792	15000	4151	10849
HP Turbine Disc	3045591	8481	15000	8840	6160
HP Turbine Blades	3115301-01 (SET)	308	15000	667	14333
HP Turbine Rear Cover	3041486	9254	15000	9613	5387
Interstage Seal	3041474	6577	15000	6936	8064
LP Turbine Disc	3036212	305	30000	664	29336
Power Turbine Disc -Stg1	3038613	21174	30000	21533	8467
Power Turbine Disc -Stg2	3033914	305	30000	664	29336

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**d. Propellers****d1. Port Propeller**

Part No.	TSO	Remaining	Calendar Overhaul			
			Last done	Next due	Remaining	
782701-5	4350.0	6150.0	18-Jul-19	18-Jul-26	11.1	Months
Serial No.						
130						

d2. Starboard Propeller

Part No.	TSO	Remaining	Calendar Overhaul			
			Last done	Next due	Remaining	
782701-5	735.6	9764.4	5-May-24	5-May-31	68.5	Months
Serial No.						
2023110033						

e. Landing Gear Status

Landing Gear	Nose	Left Main	Right Main
Part Number	8800-135	10100-119	10100-127
Serial Number	DCL355/91/98R	DCL539/92	13MDT0803
Date Of Installation	29-Nov-20	17-Apr-25	23-Nov-13
Install Condition	Overhauled	Repaired	New
Interval (Overhaul) FC	25000	30000	30000
CSO	3637	24361	7917
Remaining (Overhaul) FC	21363	5640	22083
OH Interval (Months)	120	144	144
Next Overhaul Date	29-Nov-30	17-Apr-37	23-Nov-25
Time To OH (Months)	63.4	139.8	3.3
Interval (Discard) FC	60000	60000	60000
CSN	47980	53172	7917
Remaining (Discard) FC	12020	6829	52083

f. Auxilliary Power Unit

Auxilliary Power Unit			
Part Number	Serial No.	APU Hours	APU Cycles
160371-600	787301	11790.9	12402
Compressor Wheel (Remaining Cycles)			7375
Turbine Wheel (Remaining Cycles)			6642

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**g. Avionics**

Avionics Equipment Listing				
No.	Items	Model	Part Number	Quantity
1	ADF	Collins ADF-60	622-2362-001	2
2	VHF NAV	Collins VIR32	622-6137-001	2
3	DME	Collins DME42	622-6263-003	2
4	Weather Radar	Honeywell WR-800	MI-585350-5	1
5	GPS 1	Garmin GPS 165	011-00106-00	1
6	GPS 2	Garmin GPS 165	011-00106-00	1
7	TCAS II	Honeywell ACSS	4066010-914	1
8	EGPWS/TAWS	Honeywell Mark VIII	965-1220-020	1
9	FDR	Allied Signal	980-4120-DXUN	1
10	ULB Battery	Dukane	DK120	1
11	CVR	Honeywell A100	93A100-83	1
12	ULB Battery	Dukane	DK120	1
13	ELT	ACR 406MHZ	452-3133	1
14	Tracking System	Indigo	SBD8602F02	1
15	Radar Alt	Honeywell RT-300	7001840-918	1
16	PA System	Avtech RTCA DO-160A	5082-1-2	1
17	Transponder 1	Honeywell RG047	4061400-905	1
18	Transponder 2	Honeywell RG047	622-1270-001	1
19	HF	Bendix King KTR 953	064-101501	1
		Bendix King KAC 952	064-1017-02	1
		Bendix King KCU 951	064-101603	1
20	VHF COM	Collins VHF22A	622-6152-011	2

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h. Photographs



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