



## **SPECIFICATION & SUMMARY OF TERMS**

### **DHC-8 MODEL 102**

**8/14/2025**

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## Aircraft information summary



## 1. Aircraft and Lease Overview

<b>Aircraft</b>	DHC-8 Model 102	
<b>Aircraft Serial Number</b>		
<b>Manufacture Date</b>	30-Nov-1989	
<b>Total Aircraft Time</b>	49271.9	Hours
<b>Total Aircraft Cycles</b>	46844	Cycles

## 2. Summary of Aircraft Specifications

### a. Airframe Details

Operating Data		
<b>Aircraft Basic Weight</b>	22635	lbs
<b>Maximum Takeoff Weight</b>	34500	lbs
<b>Maximum Landing Weight</b>	33900	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
<b>A Check</b>	24-May-25	48898.4	46518	49398.4	24-Nov-25	126.5
<b>C Check</b>	26-Nov-20	46779.1	44714	51779.1	26-Nov-25	2507.2

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## Aircraft information summary



## c. Engines

## c1. Port Engine

Part Number		Serial Number			
PW120A		PCE-120205			
TSN: 48564.1	CSN: 54571				
TSO: 21302.8	CSO: 19645				
Engine Life Limited Components As Of: 14-Aug-25					
Description	Part Number	CSN @ Installation (Component)	Cycle Limit	CSN	Remaining
Impeller LP	3040689	19319	25000	19647	5353
Impeller HP	3043243	23673	30000	24001	5999
HP Turbine Front Cover	3049049-01	7297	15000	7625	7375
HP Turbine Disc	3045591	11022	15000	11350	3650
HP Turbine Blades	3115301-01	4732	15000	5060	9940
HP Turbine Rear Cover	3041486	7279	15000	7607	7393
Interstage Seal	3041474	1821	15000	2149	12851
LP Turbine Disc	3036212	27527	30000	27855	2145
Power Turbine Disc -Stg1	3038613	22313	30000	22641	7359
Power Turbine Disc -Stg2	3033914	19319	30000	19647	10353

## c2. Starboard Engine

Part Number		Serial Number			
PW120A		PCE-120139			
TSN: 53460.9	CSN: 57625				
TSO: 43930.2	CSO: 44303				
Engine Life Limited Components As Of: 14-Aug-25					
Description	Part Number	CSN @ Installation (Component)	Cycle Limit	CSN	Remaining
Impeller LP	3040689	17159	25000	17485	7515
Impeller HP	3043243	17159	30000	17485	12515
HP Turbine Front Cover	3049049-01	7279	15000	7605	7395
HP Turbine Disc	3045591	7255	15000	7581	7419
HP Turbine Blades	3115301-01	6553	15000	6879	8121
HP Turbine Rear Cover	3041486	8723	15000	9049	5951
Interstage Seal	3041474	7631	15000	7957	7043
LP Turbine Disc	3036212	19173	30000	19499	10501
Power Turbine Disc -Stg1	3038613	12934	30000	13260	16740
Power Turbine Disc -Stg2	3033914	27355	30000	27681	2319

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

Part No.	TSO	Remaining	Calendar Overhaul			
			Last done	Next due	Remaining	
792000-2	1722.9	8777.1	14-Feb-25	14-Feb-32	77.9	Months
Serial No.						
870606						

**d2. Starboard Propeller**

Part No.	TSO	Remaining	Calendar Overhaul			
			Last done	Next due	Remaining	
782701-5	392.5	10107.5	28-Aug-24	28-Aug-31	72.3	Months
Serial No.						
2024030022						

**e. Landing Gear Status**

Landing Gear	Nose	Left Main	Right Main
<b>Part Number</b>	8800-137	14200-123	10100-113
<b>Serial Number</b>	DCL319/90/01R	DCL025/84	DCL095/85/88
<b>Date Of Installation</b>	24-May-25	20-Nov-24	17-Jun-22
<b>Install Condition</b>	Overhauled	Overhauled	Overhauled
<b>Interval (Overhaul) FC</b>	25000	30000	30000
<b>CSO</b>	326	346	1504
<b>Remaining (Overhaul) FC</b>	24674	29654	28496
<b>OH Interval (Months)</b>	120	144	144
<b>Next Overhaul Date</b>	24-May-35	20-Nov-36	17-Jun-34
<b>Time To OH (Months)</b>	117.0	135.0	105.9
<b>Interval (Discard) FC</b>	60000	60000	60000
<b>CSN</b>	50425	42341	1504
<b>Remaining (Discard) FC</b>	9575	17659	58496

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## f. Avionics

Avionics Equipment Listing				
No.	Items	Model	Part Number	Quantity
1	ADF	Bendix King KDF 806	066-1077-01	2
2	NAV	Bendix King KNR 634A	066-1078-10	2
3	DME	Bendix King KDM 706A	066-1066-23	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	Collins TTR 4000	822-1294-032	1
8	EGPWS/TAWS	Sandel ST3400	ST340-00	1
9	FDR	Fairchild F100	S800-2000-00	1
10	ULB Battery	Dukane	DK120	1
11	CVR	Honeywell Solid State	980-6022-001	1
12	ULB Battery	Dukane	DK120	1
13	ELT	Kannad 406AF	S1821502-02	1
14	ELT Battery	Kannad	S1821502-06	1
15	Radar Alt	Honeywell RT-300	7001840-918	1
16	DADC	Honeywell Sperry AZ-810	7000700-975	2
17	Transponder 1	Collins TPR 720	622-7878-201	1
18	Transponder 2	N/A	N/A	0
19	Sat Track	Hawkeye 7200X	HE720X01	1
20	Autopilot	Honeywell GC 801	7003975-901	1
21	Audio S. Panel	Avtech	5061-1-1	1
22	COM	Bendix King KTR 908	064-1023-00	2
23	HF	Bendix King KTR 953	064-1015-01	1
		Bendix King KCU 951	064-1016-00	1
		Bendix King KAC 952	064-1017-02	1

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## g. Photographs



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