

Maintenance Forecast Summary

Castle Air Ltd.
08-Oct-20 Natalie Hatt

Forecast In: Hours: 300 Landings: 500 Days: 365 Forecast Date: 08-Oct-21

G-DIDO Helicopter, Agusta 109E TSN: 2213.60 LSN: 4547 SRP: 026/019181 Flown: 23-Jun-20

Aircraft												
ATA Ref No/Part No:	Description:	Serial No:	Position:	Alloc'd MI/Proj:	Hours Rem:	A/F Due Hours:	Cycles Rem:	A/F Due Ldgs:	Days Rem:	Date Due:	Compliance Within / Life Limits / Life Calculation:	
62 CA131	Check Torque MRH Ring Nut Bolts	11617			6.50	2220.10					10 Hours	
CA389	25 Hour Main Rotor Damper Inspection	11617			20.30	2233.90					25 Hours	
62 2007-0306-E Pt II	Main Rotor Blade Tip Cap P/N 709-0103-29-109 Inspection IAW EASA AD 2007-0306-E Pt II and A109E - BT109EP-85 A109C - BT109-12	L284	Yellow		20.50	2234.10					50 Hours	
62 2007-0306-E Pt II	Main Rotor Blade Tip Cap P/N 709-0103-29-109 Inspection IAW EASA AD 2007-0306-E Pt II and A109E - BT109EP-85 A109C - BT109-12	L277	Blue		20.50	2234.10					50 Hours	
62 2007-0306-E Pt II	Main Rotor Blade Tip Cap P/N 709-0103-29-109 Inspection IAW EASA AD 2007-0306-E Pt II and A109E - BT109EP-85 A109C - BT109-12	L286	Red		20.50	2234.10					50 Hours	
62 2007-0306-E Pt II	Main Rotor Blade Tip Cap P/N 709-0103-29-109 Inspection IAW EASA AD 2007-0306-E Pt II and A109E - BT109EP-85 A109C - BT109-12	J54081	White		20.50	2234.10					50 Hours	
72 CA505	50 Hour Compressor/Engine Wash	PCE-BC0478	No2 Engine		20.50	2234.10					50 Hours	
72 CA505	50 Hour Compressor/Engine Wash	PCE-BC0475	No1 Engine		20.50	2234.10					50 Hours	
72 PW206-012.	50 Hour LCF Cycle Readings	PCE-BC0478	No2 Engine		20.50	2234.10					50 Hours	
72 PW206-012.	50 Hour LCF Cycle Readings	PCE-BC0475	No1 Engine		20.50	2234.10					50 Hours	
63 109EP-160 Part II	OIL COOLER FAN ASSY P/N 109-0455-01-101 (TECHNOFAN P/N 4611047900 AMDT B) SPECIAL REGULAR INSPECTION AND BELT CHECK (TECHNOFAN P	104700933	LH		26.10	2239.70					200 Hours	
63 109EP-160 Part II	OIL COOLER FAN ASSY P/N 109-0455-01-101 (TECHNOFAN P/N 4611047900 AMDT B) SPECIAL REGULAR INSPECTION AND BELT CHECK (TECHNOFAN P	104700983	RH		26.70	2240.30					200 Hours	
72 PW206-01	150 Hour Engine Power Assurance Check	PCE-BC0475	No1 Engine		27.70	2241.30					150 Hours	

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ATA Ref No/Part No:	Description:	Serial No:	Position:	MI/Proj:	Rem:	Hours:	Rem:	Ldgs: Rem:	Due: Life Calculation:
72	PW206-01	150 Hour Engine Power Assurance Check	PCE-BC0478	No2 Engine		27.70	2241.30	N/A	150 Hours
12	A109E 50Hr / 30 Day AOC	A109E 50Hr/30Day AOC	11617			50.00	2263.60	N/A 0	08-Oct-20 50 Hours, 30 Days
67	Service E01	50 Hour / 3 Month Swashplate	L50	M/R Hub		50.00	2263.60	N/A 61	08-Dec-20 50 Hours, 3 Months
62	AW-01	100 Hour M/R Elastomeric Bearing Inspection	11617			70.50	2284.10	N/A	100 Hours
64	CA046	100 Hour Tail Rotor Assy Dynamic Balance	11617			70.50	2284.10	N/A	100 Hours
21	OPT EQU 17	100 Hour ECS Heat Exchanger	11617			70.50	2284.10	N/A	100 Hours
62	CA208	150 Hour Main Rotor Damper	11617			77.10	2290.70	N/A	150 Hours
63	109EP-160 Part I [Part: Pt I 200Hr]	OIL COOLER FAN ASSY P/N 109-0455-01-101 (TECHNOFAN P/N 4611047900 AMDT B) SPECIAL REGULAR INSPECTION AND BELT CHECK (TECHNOFAN P	104700933	LH		77.70	2291.30	N/K	200 Hours
12	A109E 200 Hour AOC	A109E 200 Hour AOC	11617			77.70	2291.30	N/A	200 Hours
64	AW-02	200 Hour Tail Rotor Elastomeric Bushings Inspection	K66M	T/R Hub		77.70	2291.30	N/A	200 Hours
65	Service E06	300 Hour T/R Drive Shaft Bearing Grease.	11617			80.50	2294.10	N/A	300 Hours
65	Service E02	100 Hour / 6 Month T/ R Gearbox Oil replacement	11617			96.50	2310.10	N/A 75	22-Dec-20 100 Hours, 6 Months
12	A109E 800 Hour AOC	A109E 800 Hour AOC	11617			136.30	2349.90	N/A	800 Hours
73	PW206-07	800 Hour Fuel Filter	PCE-BC0478	No2 Engine		136.30	2349.90	N/K	800 Hours
73	PW206-07	800 Hour Fuel Filter	PCE-BC0475	No1 Engine		136.30	2349.90	N/A	800 Hours
72	PW206-08	800 Hour Oil Filter	PCE-BC0475	No1 Engine		136.30	2349.90	N/A	800 Hours
72	PW206-08	800 Hour Oil Filter	PCE-BC0478	No2 Engine		136.30	2349.90	N/K	800 Hours
12	PW206C 800 Hour	PW206C 800 Hour	PCE-BC0478	No2 Engine		136.30	2349.90	N/K	800 Hours
12	PW206C 800 Hour	PW206C 800 Hour	PCE-BC0475	No1 Engine		136.30	2349.90	N/A	800 Hours
26	109EP-152 [Part: Repetitive]	FIRE EXTINGUISHER BOTTLE P/N 27300-1 - Provide the necessary instructions to perform a visual inspection of the Bypass Outlet A	0773	Port		170.50	2384.10	N/K 139	24-Feb-21 200 Hours, 12 Months

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26 109EP-152 [Part: Repetitive]	FIRE EXTINGUISHER BOTTLE P/N 27300-1 - Provide the necessary instructions to perform a visual inspection of the Bypass Outlet A	0639	Starboard			170.50	2384.10	N/A 139	24-Feb-21 200 Hours, 12 Months
26 2016-0261 [Part: Repeat]	Fire Protection - Fire Extinguisher Bottles - Inspection/Replacement (BT109EP-152, BT109S-073 & BT109SP-108)	0773	Port			170.50	2384.10	N/K 139	24-Feb-21 200 Hours, 12 Months
26 2016-0261 [Part: Repeat]	Fire Protection - Fire Extinguisher Bottles - Inspection/Replacement (BT109EP-152, BT109S-073 & BT109SP-108)	0639	Starboard			170.50	2384.10	N/A 139	24-Feb-21 200 Hours, 12 Months
67 109EP-166 [Part: <2400]	MIXING CONTROL SYSTEM RIGID CONNECTING LINK P/N 109-0032-01-13/-17/-29, INSPECTION OF	11617				186.40	2400.00	N/A	2400 Hours
67 2018-0280 [Part: >2400FH]	Rotors Flight Control – Mixing Control System Rigid Connecting Link – Inspection	11617				186.40	2400.00	N/K	10 Hours, 30 Days
CA497	200 Hour M/R Duplex Bearing Grease Extrusion Check	11617				195.30	2408.90	N/A	200 Hours
29 Service E010	200 Hour / 12 Month Utility Hyd System Accumulators	11617				196.50	2410.10	N/A 257	22-Jun-21 200 Hours, 12 Months
29 Service E011	200 Hour / 12 Month Servo Hyd System Accumulators	11617				196.50	2410.10	N/A 257	22-Jun-21 200 Hours, 12 Months
67 Service E012	200 Hour / 12 Month Main Rotor Servo Actuators	11617				196.50	2410.10	N/A 257	22-Jun-21 200 Hours, 12 Months
55 Service E013	200 Hour / 12 Month Elevator Half Fitting Bolts	11617				196.50	2410.10	N/A 257	22-Jun-21 200 Hours, 12 Months
32 Service E07	200 Hour / 12 Month Main L/G Torque Links	11617				196.50	2410.10	N/A 257	22-Jun-21 200 Hours, 12 Months
32 Service E08	200 Hour / 12 Month Nose L/G Strut & Steering Support	11617				196.50	2410.10	N/A 257	22-Jun-21 200 Hours, 12 Months
32 Service E09	200 Hour / 12 Month L/G Tyres	11617				196.50	2410.10	N/A 257	22-Jun-21 200 Hours, 12 Months
79 UNSCHED-E010	200 Hour / 12 Month Chip Detectors	11617				196.50	2410.10	N/A 257	22-Jun-21 200 Hours, 12 Months
63 UNSCHED-E011	200 Hour / 12 Month Main T/X Fittings	K35	Main T/X			196.50	2410.10	N/A 257	22-Jun-21 200 Hours, 12 Months
72 PW206-09	900 Hour Fuel Nozzle Clean	PCE-BC0478	No2 Engine			236.30	2449.90	N/K	900 Hours

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72	PW206-09	900 Hour Fuel Nozzle Clean	PCE-BC0475	No1 Engine		236.30	2449.90	N/A	900 Hours
64	Service E015	400 Hour / 24 Month T/R Duplex Bearing.	K66M	T/R Hub		247.90	2461.50	N/A 27	! 04-Nov-20 400 Hours, 24 Months
67	UNSCHED-E012	400 Hour / 24 Months Swashplate Duplex Bearing	11617			247.90	2461.50	N/A 27	! 04-Nov-20 400 Hours, 24 Months
24	109EP-41	Functional test of the emergency bus bars relay (K7212)	11617			270.50	2484.10	N/A 138	23-Feb-21 300 Hours, 365 Days
12	A109E 400 Hour AOC	A109E 400 Hour AOC	11617			277.70	2491.30	N/A	400 Hours
63	UNSCHED-E03	1200 Hour L/H & R/H Freewheel Units	K35	Main T/X		294.20	2507.80	N/K	1200 Hours
52	UNSCHED-E05	1200 Hour Cabin Sliding Door Latch Mechanism	11617			295.40	2509.00	N/A	1200 Hours
28	MISC-04	400 Hour / 12 Month Airframe Fuel Filter Replacement	11617			370.50	2584.10	N/A 139	24-Feb-21 400 Hours, 12 Months
67	Service E014	400 Hour / 12 Month Main & Tail Rotor Servo Actuator Levers	11617			370.50	2584.10	N/A 139	24-Feb-21 400 Hours, 12 Months
63	Service E04	400 Hour / 12 Month T/X Oil and Filter	K35	Main T/X		370.50	2584.10	N/A 139	24-Feb-21 400 Hours, 12 Months
79	MISC-05	800 Hour / 2 Year Toothed Belt Replacement	11939	LH		677.70	2891.30	N/K 116	01-Feb-21 800 Hours, 2 Years
79	MISC-05	800 Hour / 2 Year Toothed Belt Replacement	11913	RH		677.70	2891.30	N/K 116	01-Feb-21 800 Hours, 2 Years
72	CA494	Engine Anti-Deterioration Run - P&WC 200 & PT6 Series	PCE-BC0475	No1 Engine			N/K	N/K -2	06-Oct-20 28 Days
72	CA494	Engine Anti-Deterioration Run - P&WC 200 & PT6 Series	PCE-BC0478	No2 Engine			N/K	N/K -2	06-Oct-20 28 Days
26	CA032	5 Year Eng Bay Fire Ext Hydrostatic Test	0773	Port			N/K	N/K 27	04-Nov-20 1825 Days
01	Aircraft Insurance	Aircraft Insurance Expiry	11617				N/K	N/K 53	30-Nov-20 12 Months
26	OPT EQU 010-	3 Year Bottle Cartridge Bridgewire Resistance Check	0593-2	N/A			N/K	N/K 116	01-Feb-21 3 Years
26	OPT EQU 010-	3 Year Bottle Cartridge Bridgewire Resistance Check	AEM0102	N/A			N/K	N/K 116	01-Feb-21 3 Years
01	Avionic Survey	Avionics Full P/N & S/N Check	11617				N/K	N/K 136	21-Feb-21 3 Years
12	A109/A119 12Mth Corrosion	12 Month Corrosion Inspection	11617				N/A	N/A 139	24-Feb-21 1 Years
12	A109E 12 Month AOC	A109E 12 Month AOC	11617				N/A	N/A 139	24-Feb-21 12 Months
95	OPT EQU 07	12 Month ELT	03562	Tail Boom			N/K	N/K 139	24-Feb-21 12 Months
12	PW206C 12 Month	PW206C 12 Month	PCE-BC0475	No1 Engine			N/A	N/A 139	24-Feb-21 12 Months

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12	PW206C 12 Month	PW206C 12 Month	PCE-BC0478	No2 Engine		N/A		N/A 139	24-Feb-21 12 Months
18	SPECIAL 08	12 Month Vibration Absorber Inspection	11617			N/A		N/A 139	24-Feb-21 12 Months
04	CA016	3 Year ARC Issue	11617			N/A		N/A 204	30-Apr-21 3 Years
04	CA226	1 Year ARC Extension	11617			N/A		N/A 204	30-Apr-21 365 Days
01	Radio Licence	Radio Licence Renewal Required	11617			N/K		N/K 265	30-Jun-21 3 Years

Components		Alloc'd	Hours	A/F Due	Cycles	A/F Due	Days	Date	Compliance Within / Life Limits /
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62	109-0111-02-101	Hub Assy	L50	M/R Hub		N/A		N/A	
1	109-0111-06-103	Damper	1974	M/R Hub	236.90	2450.50		N/A	Scrap Hours: 2400, TBO/I: 600
1	109-0111-06-103	Damper	1975	M/R Hub	236.90	2450.50		N/A	Scrap Hours: 2400, TBO/I: 600
1	109-0455-09-103	Fan Belt	11913	RH	677.70	2891.30		N/A 116 Scr	01-Feb-21 Scrap Hours: 800, Scrap: 2 Years
1	109-0455-09-103	Fan Belt	11939	LH	677.70	2891.30		N/A 116 Scr	01-Feb-21 Scrap Hours: 800, Scrap: 2 Years
1	27300-1	Extinguisher	0773	Port		N/A		N/A 29 Insp	06-Nov-20 Insp: 5 Years
24	2778-1	Battery	R02321	Nose Bay		N/A		N/A 254 O/H	19-Jun-21 O/H: 12 Months