



AlliedSignal Inc.

TPE331-10N-515S

MANUFACTURED 11/16/81

S/N P77627

N441MT

Aircraft S/N: 0297

Engine Pos: Position 1

Aspen Flight Operations LLC

Total Time: 6,598.9

Total Cycles: 7,987

Overhauled: 6/15/89

Time Since O/H: 4,315.9

Cycles Since O/H: 3,587

Projection Period

Hours:	0.0
Cycles:	0
Calendar:	0,

Due	Event	Event description	Frequency	Last Compliance	Next Compliance Due	Remaining	Comments
*	M (TPE331) 100 Hour Inspection	Engine Periodic Inspection	100 hrs	6,598.9 hrs 7,987 cyc 11/7/2006	6,698.9 hrs	100.0 hrs	
*	M (TPE331) 150 Hour Inspection	Engine Periodic Inspection	150 hrs	6,598.9 hrs 7,987 cyc 11/7/2006	6,748.9 hrs	150.0 hrs	
*	M (TPE331) 150 Hour Oil Sample	SOAP Sample, Oil & Fuel Filter Change	150 hrs	6,598.9 hrs 7,987 cyc 11/7/2006	6,748.9 hrs	150.0 hrs	
*	M (TPE331) 200 Hour Inspection	Engine Periodic Inspection	200 hrs	6,569.6 hrs 7,963 cyc 8/2/2006	6,769.6 hrs	170.7 hrs	
*	M (TPE331) 300 Hour Inspection	Engine Periodic Inspection	300 hrs	6,598.9 hrs 7,987 cyc 11/7/2006	6,898.9 hrs	300.0 hrs	
*	M (TPE331) 400 Hour Inspection	Engine Periodic Inspection	400 hrs	6,569.6 hrs 7,963 cyc 8/2/2006	6,969.6 hrs	370.7 hrs	
*	M (TPE331) 450 Hour Inspection	Fuel Nozzles Inspection	450 hrs	6,569.6 hrs 7,963 cyc 8/2/2006	7,019.6 hrs	420.7 hrs	
*	M (TPE331) 800 Hour Inspection	Engine Periodic Inspection	800 hrs	6,167.8 hrs 10/21/2004	6,967.8 hrs	368.9 hrs	
*	M (TPE331) 900 Hour Inspection	Engine Oil Change (Type II Oil)	900 hrs	6,167.8 hrs 10/21/2004	7,067.8 hrs	468.9 hrs	Exxon 2380
*	M (TPE331) 12 Month Inspection	Engine Corrosion Inspection of the Magnesium Housing	12 Month(s)	6,458.7 hrs 2/23/2006	2/23/2007	102 days	
*	M (TPE331) 2500 Hour HSI	Engine Turbine Section Inspection	2,500 hrs	4,489.6 hrs 6,631 cyc 10/24/1998	6,989.6 hrs	390.7 hrs	
*	M (TPE331) 2500 Hour PPCI	Propeller Pitch Control Cam Inspection	2,500 hrs	4,489.6 hrs 6,631 cyc 10/24/1998	6,989.6 hrs	390.7 hrs	
*	M (TPE331) 5000 Hour Engine OH	Engine Overhaul	5,000 hrs	2,283.0 hrs 4,400 cyc 6/15/1989	7,283.0 hrs	684.1 hrs	

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Due	Event	Event description	Frequency	Last Compliance	Next Compliance Due	Remaining	Comments
*	M (TPE331) 5000 Hour FCU OH	Fuel Control Unit OH/Replacement	5,000 hrs	2,283.0 hrs 4,400 cyc 6/15/1989	7,283.0 hrs	684.1 hrs	PN: 897110-14 SN: A352C
*	M (TPE331) 5000 Hour Fuel Pump OH	Fuel Pump OH/Replacement	5,000 hrs	5,032.8 hrs 6,973 cyc 11/20/2000	10,032.8 hrs	3433.9 hrs	PN: 897380-9 SN: P-733C
*	M (TPE331) 5000 Hour PPC OH	Propeller Pitch Control OH/Replacement	5,000 hrs	4,489.6 hrs 6,631 cyc 10/24/1998	9,489.6 hrs	2890.7 hrs	PN: 869130-13 SN: P-143241
*	M (TPE331) 5000 Hour Propeller Governor OH	Propeller Governor OH/Replacement	5,000 hrs	4,489.6 hrs 6,631 cyc 10/24/1998	9,489.6 hrs	2890.7 hrs	PN: 897160-9 SN: P902C
*	M (TPE331) 1st Stage Compressor .04	First Stage Compressor Impeller (3108182-2)	30,000 cyc	4,489.6 hrs 6,631 cyc 10/24/1998	36,631 cyc	28644 cyc	PN: 3108182-2 SN: 980350100987
*	M (TPE331) 2nd Stage Compressor .01	Second Stage Compressor Impeller Inspection (893482-2/-3/-5)	12,000 cyc	4,489.6 hrs 6,631 cyc 10/24/1998	18,631 cyc	10644 cyc	PN: 893482-3 SN: 3-03501-5579
*	M (TPE331) 1st Stage Disk .02	First Stage Turbine Rotor Disk Life Limit (3101520-3)	20,000 cyc	4,489.6 hrs 6,631 cyc 10/21/1998	26,631 cyc	18644 cyc	PN: 3101520-3 SN: 970322902679
*	M (TPE331) 2nd Stage Disk .04	Second Stage Turbine Rotor Disk Life Limit (3107077-1)	9,600 cyc	4,489.6 hrs 6,631 cyc 10/24/1998	14,000 cyc	6013 cyc	PN: 3107077-1 SN: 8-01345-9149
*	M (TPE331) 3rd Stage Disk .04	Third Stage Turbine Rotor Disk Life Limit (3107078-2)	6,000 cyc	4,489.6 hrs 6,631 cyc 10/24/1998	10,400 cyc	2413 cyc	PN: 3107078-2 SN: 8-01345-9952 (Used 2206.6/2231)
*	M (TPE331) Seal Plate .01	Seal Plate Life Limit (3102483-1)	20,000 cyc	4,489.6 hrs 6,631 cyc 10/21/1998	26,631 cyc	18644 cyc	PN: 3102483-1 SN: 980350101867
*	M (TPE331) Compressor Bearing .01	Compressor Bearing Life Limit (3101405-1)	6,000 hrs	4,489.6 hrs 6,631 cyc 10/24/1998	8,283.0 hrs	1684.1 hrs	PN: 3101405-1 SN: 89-19914-1502 (Used 2206.6/2231)
*	M (TPE331) Duplex Bearing .01	Duplex Ball Bearing Life Limit (3103585-1)	9,000 hrs	4,489.6 hrs 6,631 cyc 10/21/1998	13,489.6 hrs	6890.7 hrs	PN: 3103585-1 SN: 980233006873
*	M (TPE331) Duplex Bearing .02	Duplex Ball Bearing Life Limit (3103585-1)	9,000 hrs	4,489.6 hrs 6,631 cyc 10/21/1998	13,489.6 hrs	6890.7 hrs	PN: 3103585-1 SN: 980233005395
*	M (TPE331) FCU Bearing	Fuel Control Drive Bearing (358894-1)	9,000 hrs		9,000.0 hrs	2401.1 hrs	No LL card
*	M (TPE331) Pump, Idler, and FCU Bearing .01	Hydraulic Pump, Idler and Fuel Control Drive Gearshaft Ball Bearing #1 (358272)	9,000 hrs		9,000.0 hrs	2401.1 hrs	No LL card
*	M (TPE331) Pump, Idler, and FCU Bearing .02	Hydraulic Pump, Idler and Fuel Control Drive Gearshaft Ball Bearing #2 (358272)	9,000 hrs		9,000.0 hrs	2401.1 hrs	No LL card
*	M (TPE331) Pump, Idler, and FCU Bearing .03	Hydraulic Pump, Idler and Fuel Control Drive Gearshaft Ball Bearing #3 (358272)	9,000 hrs		9,000.0 hrs	2401.1 hrs	No LL card
*	M (TPE331) Pump, Idler, and FCU Bearing .04	Hydraulic Pump, Idler and Fuel Control Drive Gearshaft Ball Bearing #4 (358272)	9,000 hrs		9,000.0 hrs	2401.1 hrs	No LL card
*	M (TPE331) Torque Sensor Duplex Bearing .01	Hydraulic Torque Sensor Duplex Bearing #1 (3102243-1)	9,000 hrs	4,489.6 hrs 6,631 cyc 10/21/1998	13,489.6 hrs	6890.7 hrs	PN: 3102243-1 SN: 981991429935

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Due	Event	Event description	Frequency	Last Compliance	Next Compliance Due	Remaining	Comments
*	M (TPE331) Torque Sensor Duplex Bearing .02	Hydraulic Torque Sensor Duplex Bearing #2 (3102243-1)	9,000 hrs	4,489.6 hrs 6,631 cyc 10/21/1998	13,489.6 hrs	6890.7 hrs	PN: 3102243-1 SN: 981991429956
*	M (TPE331) Tach and Prop Bearing .01	Tachometer Generator and Propeller Governor Ball Bearing #1 (358348)					No LL card
*	M (TPE331) Tach and Prop Bearing .02	Tachometer Generator and Propeller Governor Ball Bearing #2 (358348)					No LL card
*	M (TPE331) Tach and Prop Bearing .03	Tachometer Generator and Propeller Governor Ball Bearing #3 (358348)					No LL card
*	M (TPE331) Generator Bearing .01	Starter Generator Gearshaft Ball Bearing #1 (358206)	9,000 hrs		9,000.0 hrs	2401.1 hrs	No LL card
*	M (TPE331) Generator Bearing .02	Starter Generator Gearshaft Ball Bearing #2 (358206)	9,000 hrs		9,000.0 hrs	2401.1 hrs	No LL card
*	M AD 84-10-06 R1	Inspection/Replacement of Engine Fuel Pump Assemblies		4,489.6 hrs 6,631 cyc 10/21/1998			N/A per P/N installed
*	M AD 93-02-01	Inspection/Replacement of Engine Stratoflex Fuel Manifold Assemblies		4,489.6 hrs 6,631 cyc 10/21/1998			Accomplished
*	M AD 93-15-11	Inspection/Replacement of Propeller Pitch Control Gasket		4,489.6 hrs 6,631 cyc 10/21/1998			Accomplished per A72-0857
*	M AD 95-16-08	Review of Engine Records for Maintenance performed by Flightline Maintenance		4,489.6 hrs 6,631 cyc 10/21/1998			Accomplished per review of logbooks
*	M AD 98-12-09	Inspection/Replacement of Fuel Manifold Assemblies Repaired by Hoses Unlimited		4,489.6 hrs 6,631 cyc 10/21/1998			N/A per inspection
*	M AD 2002-25-02	Removal of Weld Repaired First Stage Compressor Impellers		4,489.6 hrs 6,631 cyc 10/21/1998			N/A per P/N installed
*	M AD 2004-09-29	First Stage Turbine Disk Crack	2,500 hrs	4,489.6 hrs 6,631 cyc 10/21/1998	6,989.6 hrs	390.7 hrs	N/A per P/N installed
*	M AD 2006-14-03	Turbine Rotors, Special Use Operation, Inspection / Replacement					Not applicable, ACFT is not operated under special operations Require sign off
* Now	R SB 73-0268	Primary Only Solenoid Inspection	300 hrs		300.0 hrs	-6298.9 hrs	OPEN
* Now	R SB A73-0266	Fuel Control Assembly / Fuel Flow Restrictor			2/17/2004	-1000 days	OPEN

\*\* End of Report \*\*

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