



AlliedSignal Inc.
TPE331-10N-515S
MANUFACTURED 11/12/81
S/N P77616

N441MT
 Aircraft S/N: **0297**
 Engine Pos: **Position 2**
Aspen Flight Operations LLC

Total Time: **6,578.8** Time Since O/H: **4,295.8**
 Total Cycles: **8,139** Cycles Since O/H: **3,739**
 Overhauled: **6/15/89**

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	6,578.8 hrs 8,139 cyc 11/7/2006	6,678.8 hrs	100.0 hrs	
*	M (TPE331) 150 Hour Inspection	Engine Periodic Inspection	150 hrs	6,578.8 hrs 8,139 cyc 11/7/2006	6,728.8 hrs	150.0 hrs	
*	M (TPE331) 150 Hour Oil Sample	SOAP Sample, Oil & Fuel Filter Change	150 hrs	6,578.8 hrs 8,139 cyc 11/7/2006	6,728.8 hrs	150.0 hrs	
*	M (TPE331) 200 Hour Inspection	Engine Periodic Inspection	200 hrs	6,569.6 hrs 8,052 cyc 8/2/2006	6,769.6 hrs	190.8 hrs	
*	M (TPE331) 300 Hour Inspection	Engine Periodic Inspection	300 hrs	6,578.8 hrs 8,139 cyc 11/7/2006	6,878.8 hrs	300.0 hrs	
*	M (TPE331) 400 Hour Inspection	Engine Periodic Inspection	400 hrs	6,569.6 hrs 8,052 cyc 8/2/2006	6,969.6 hrs	390.8 hrs	
*	M (TPE331) 450 Hour Inspection	Fuel Nozzles Inspection	450 hrs	6,569.6 hrs 8,052 cyc 8/2/2006	7,019.6 hrs	440.8 hrs	
*	M (TPE331) 800 Hour Inspection	Engine Periodic Inspection	800 hrs	6,145.9 hrs 9/27/2004	6,945.9 hrs	367.1 hrs	
*	M (TPE331) 900 Hour Inspection	Engine Oil Change (Type II Oil)	900 hrs	6,145.9 hrs 10/6/2004	7,045.9 hrs	467.1 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	6,145.9 hrs 9/27/2004	8,645.9 hrs	2067.1 hrs	
*	M (TPE331) 2500 Hour PPCI	Propeller Pitch Control Cam Inspection	2,500 hrs	4,489.6 hrs 6,720 cyc 10/22/1998	6,989.6 hrs	410.8 hrs	
*	M (TPE331) 5000 Hour Engine OH	Engine Overhaul	5,000 hrs	2,283.0 hrs 4,399 cyc 6/15/1989	7,283.0 hrs	704.2 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	6,345.5 hrs 8/8/2005	11,345.5 hrs	4766.7 hrs	PN: 8971110-20 SN: A778C
*	M (TPE331) 5000 Hour Fuel Pump OH	Fuel Pump OH/Replacement	5,000 hrs	2,283.0 hrs 4,399 cyc 6/28/1989	7,283.0 hrs	704.2 hrs	PN: 897380-9 SN: P-532C
*	M (TPE331) 5000 Hour PPC OH	Propeller Pitch Control OH/Replacement	5,000 hrs	4,489.6 hrs 6,720 cyc 10/22/1998	9,489.6 hrs	2910.8 hrs	PN: 869130-13 SN: P143258
*	M (TPE331) 5000 Hour Propeller Governor OH	Propeller Governor OH/Replacement	5,000 hrs	2,283.0 hrs 4,399 cyc 6/28/1989	7,283.0 hrs	704.2 hrs	PN: 897160-5 SN: P-852C (See LH engine Log)
*	M (TPE331) 1st Stage Compressor .04	First Stage Compressor Impeller (3108182-2)	30,000 cyc	6,179.5 hrs 7,500 cyc 9/27/2004	37,500 cyc	29361 cyc	PN: 3108182-2 SN: 010350102426
*	M (TPE331) 2nd Stage Compressor .01	Second Stage Compressor Impeller Inspection (893482-2/-3/-5)	12,000 cyc	4,489.6 hrs 6,720 cyc 10/22/1998	18,720 cyc	10581 cyc	PN: 893482-5 SN: 970322906084
*	M (TPE331) 1st Stage Disk .02	First Stage Turbine Rotor Disk Life Limit (3101520-3)	20,000 cyc	4,489.6 hrs 6,720 cyc 10/22/1998	26,720 cyc	18581 cyc	PN: 3101520-3 SN: 970322902778
*	M (TPE331) 2nd Stage Disk .04	Second Stage Turbine Rotor Disk Life Limit (3107077-1)	9,600 cyc	4,489.6 hrs 6,720 cyc 10/22/1998	13,999 cyc	5860 cyc	PN: 3107077-1 SN: 8-01345-9388 (Used 2206.6/2321)
*	M (TPE331) 3rd Stage Disk .04	Third Stage Turbine Rotor Disk Life Limit (3107078-2)	6,000 cyc	4,489.6 hrs 6,720 cyc 10/22/1998	10,399 cyc	2260 cyc	PN: 3107078-2 SN: 9-01345-759 (Used 2206.6/2321)
*	M (TPE331) Seal Plate .01	Seal Plate Life Limit (3102483-1)	20,000 cyc	4,489.6 hrs 6,720 cyc 10/22/1998	26,720 cyc	18581 cyc	PN: 3102483-1 SN: 970350104159
*	M (TPE331) Compressor Bearing .01	Compressor Bearing Life Limit (3101405-1)	6,000 hrs	4,489.6 hrs 6,720 cyc 10/22/1998	10,489.6 hrs	3910.8 hrs	PN: 3101405-1 SN: 981991430628
*	M (TPE331) Duplex Bearing .01	Duplex Ball Bearing Life Limit (3103585-1)	9,000 hrs	4,489.6 hrs 6,720 cyc 10/22/1998	13,489.6 hrs	6910.8 hrs	PN: 3103585-1 SN: 980233002746
*	M (TPE331) Duplex Bearing .02	Duplex Ball Bearing Life Limit (3103585-1)	9,000 hrs	4,489.6 hrs 6,720 cyc 10/22/1998	13,489.6 hrs	6910.8 hrs	PN: 3103585-1 SN: 980233005538
*	M (TPE331) FCU Bearing	Fuel Control Drive Bearing (358894-1)	9,000 hrs		9,000.0 hrs	2421.2 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	2421.2 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	2421.2 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	2421.2 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	2421.2 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 6,720 cyc 10/22/1998	13,489.6 hrs	6910.8 hrs	PN: 3102243-1 SN: 981991430075

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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 6,720 cyc 10/22/1998	13,489.6 hrs	6910.8 hrs	PN: 3102243-1 SN: 981991429966
* 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	4,489.6 hrs 6,720 cyc 10/22/1998	13,489.6 hrs	6910.8 hrs	PN: 358206 SN: 981409511138
* M	(TPE331) Generator Bearing .02	Starter Generator Gearshaft Ball Bearing #2 (358206)	9,000 hrs	4,489.6 hrs 6,720 cyc 10/22/1998	13,489.6 hrs	6910.8 hrs	PN: 358206 SN: 981409511143
* M	AD 84-10-06 R1	Inspection/Replacement of Engine Fuel Pump Assemblies		9/2/2004			PCW inspection
* M	AD 93-02-01	Inspection/Replacement of Engine Stratoflex Fuel Manifold Assemblies		9/2/2004			PCW
* M	AD 93-15-11	Inspection/Replacement of Propeller Pitch Control Gasket		9/2/2004			PCW
* M	AD 95-16-08	Review of Engine Records for Maintenance performed by Flightline Maintenance		9/2/2004			Accomplished review of engine records
* M	AD 98-12-09	Inspection/Replacement of Fuel Manifold Assemblies Repaired by Hoses Unlimited		9/2/2004			Accomplished audit inspection
* M	AD 2002-25-02	Removal of Weld Repaired First Stage Compressor Impellers		9/2/2004			N/A per P/N installed
* M	AD 2004-09-29	First Stage Turbine Disk Crack		9/2/2004			N/A per P/N installed
* M	AD 2006-14-03	Turbine Rotors, Special Use Operation, Inspection / Replacement					Not applicable, engine not operated under special operations (Require sign off)
* Now	R SB 73-0268	Primary Only Solenoid Inspection	300 hrs		300.0 hrs	-6278.8 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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