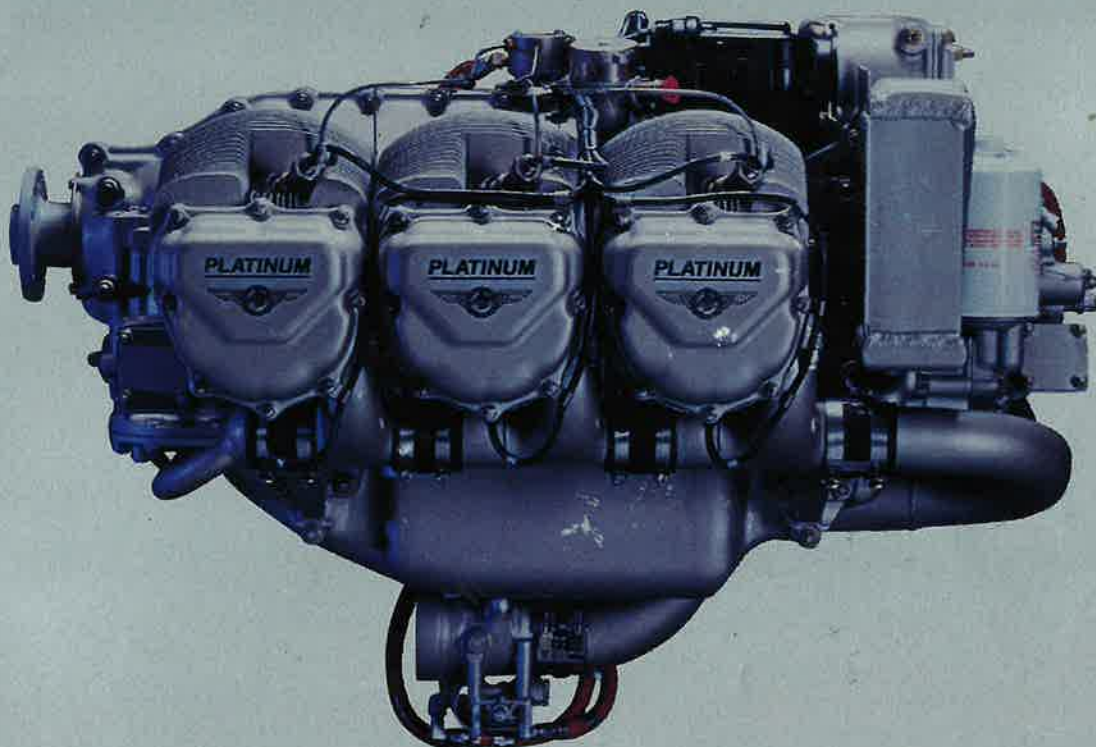


PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 09/22/2005

This engine model I0550N27 , Serial No. 917897 was manufactured on 09/21/2005
by Teledyne Continental Motors in accordance with approved design data and the applicable requirements
of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all
changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

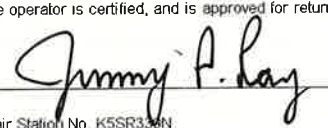
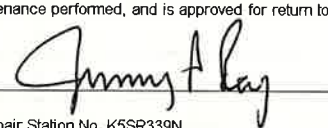
All returned engines are to be shipped with this log book Directly to:

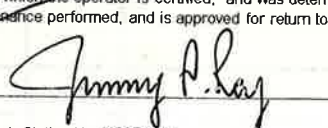
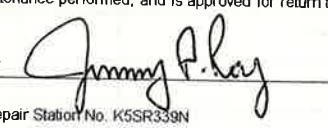
Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
<div>ENGINE MODEL: IO-550-N27 ENGINE S/N: 917897 REG. NO: N828DT WORK ORDER: 13367</div> <div>Keystone Aviation Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone: 801 359-2085</div> <div>DATE: 11/1/2005 A/C TSN: 49.7 ENG TT: 26.5 HOBBS: 26.5</div>					
Engine Entries ENGINE OIL DRAINED HOT. REMOVED OIL FILTER AND INSPECTED FOR CONTAMINATE. NONE FOUND. INSTALLED NEW FILTER, P/N CH48108-1 AND SAFETIED. REINSTALLED OIL DRAIN PLUG WITH NEW GASKET P/N MS35769-11 AND SAFETIED. ADDED 7 QTS OF EXXON ELITE 20W/50. LEAK AND OPERATIONAL CHECKED SATISFACTORY. The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation L.L.C. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order					
DATE: 11/1/2005 SIGNED: <i>Mark A. French</i> Work Order: 13367 mfrench Certified Repair Station No. K5SR339N Printed by EBis 3 (datcomedia.com)					
<div>ENGINE MODEL: IO-550-N27 ENGINE S/N: 917897 REG. NO: N828DT WORK ORDER: 13371</div> <div>Keystone Aviation Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone: 801 359-2085</div> <div>DATE: 1/27/2006 A/C TSN: 49.7 ENG TT: 49.7 HOBBS: 49.7</div>					
Engine Entries ENGINE OIL DRAINED HOT. REMOVED OIL FILTER AND INSPECTED FOR CONTAMINATES. NONE FOUND. INSTALLED NEW CHAMPION OIL FILTER CH48108-1 AND SAFETIED. REINSTALLED OIL SUMP DRAIN PLUG WITH NEW GASKET P/N MS35769-11 AND SAFETIED. ADDED 7 QTS OF EXXON 20W/50 OIL. LEAK AND OPERATIONAL CHECKED SATISFACTORY. The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation L.L.C. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order					
DATE: 1/27/2006 SIGNED: <i>Mark A. French</i> Work Order: 13371 mfrench Certified Repair Station No. K5SR339N Printed by EBis 3 (datcomedia.com)					
Date: April 28, 2006 N828DT Hobbs: 111.4 Changed oil and filter. Serviced with Exxon Elite. Mark Ulschmid A&P473629783 <i>Mark Ulschmid</i>					
Date: June 2, 2006 N828DT Hobbs: 148.9 Changed oil and filter. Serviced with Exxon Elite. Mark Ulschmid A&P473629783 <i>Mark Ulschmid</i>					

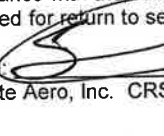
Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
SEPT 4, 2006					OIL CHANGE - SEE AIRFRAME LOG
HOURS	200.8				
10-24-06					CHANGED OIL & FILTER - EXXON ELITE 20W-50
HOURS	267.9				<i>John Mulligan APS18905887</i>
ENGINE MODEL: IO-550-N27 ENGINE S/N: 917897 REG. NO: N828DT WORK ORDER: 14974					
Keystone Aviation Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone: 801 359-2085					
DATE: 12/1/2006 A/C TSN: 289 ENG TT: 289 HOBBS: 289					
Engine Entries ENGINE ANNUAL/ 100 HOUR INSPECTION C/W PER CIRRUS DESIGN INSPECTION CHECKLIST 05-20. ENGINE APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME. ENGINE CYLINDERS COMPRESSION CHECK COMPLETED. #1, 74/80, #3, 78/80, #5 74/80, #2, 71/80, #4, 68/80, #6 78/80. CHECKED SATISFACTORY. ENGINE OIL DRAINED HOT, REMOVED OIL FILTER AND INSPECTED FOR CONTAMINATE, NONE FOUND. INSTALLED NEW FILTER, P/N CH48108-1 AND SAFETIED. REINSTALLED OIL DRAIN PLUG WITH NEW GASKET P/N MS35769-11 AND SAFETIED. ADDED 8 QTS OF EXXON ELITE 20W50. LEAK AND OPERATIONAL CHECKED SATISFACTORY. ALL FUEL INJECTORS REMOVED FOR CLEANING. INJECTORS CLEANED AND REINSTALLED WITH NEW NOZZLE O-RINGS, P/N 630979-9, NEW RUBBER WASHERS, P/N 640612, NEW NOZZLE COPPER GASKETS, P/N X1472 AND NEW INTAKE GASKETS, P/N 649950. AIRWOLF AIR/OIL SEPARATOR KIT INSTALLED UNDER STC. SA02268CH PER DRAWING # AFC-W360 REV A DATED 01/10/06. OPERATIONAL CHECK SATISFACTORY. SEE FAA 337 DATED 11/10/06 FOR PERTINENT DATA. WIEGHT AND BALANCE AND EQUIPMENT LIST UPDATED. The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation L.L.C. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order					
DATE: 12/1/2006 SIGNED: <i>Mark A French</i> mifrench Certified Repair Station No. K5SR339N					
Work Order: 14974 Printed by EBis 3 (datcomedia.com)					
ENGINE MODEL: IO-550-N27 ENGINE S/N: 917897 REG. NO: N828DT WORK ORDER: 14983					
Keystone Aviation Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone: 801 359-2085					
DATE: 11/27/2006 A/C TSN: 289 ENG TT: 289 HOBBS: 289					
Engine Entries SCAT TUBE ATTACH BRACKET ON #5 CYLINDER RISER REMOVED AND REPLACED WITH NEW BRACKET ASSY P/N 15196-002. STARTER REMOVED. INSTALLED NEW O-RING P/N AS3578-038, ON STARTER ASSEMBLY. OPERATIONAL CHECK SATISFACTORY. LEFT FORWARD BAFFLING CRACK REPAIRED AT INDUCTION AIR FILTER MOUNT L-BRACKET. REPAIR DONE IN REFERENCE TO AC43.131B, CH.4 SEC.4. CIRRUS SERVICE BULLETIN # SB 2X-71-12 R1 FOR INDUCTION DUCT SUPPORT BRACKET REMOVAL C/W BY INSTALLATION OF KIT P/N 15708-003. #6 CHT PROBE REMOVED. INSTALLED NEW PROBE, P/N 14880-001-0620, RF 1034401. OPERATIONAL CHECK SATISFACTORY. The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation L.L.C. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order					
DATE: 11/27/2006 SIGNED: <i>Mark A French</i> mifrench Certified Repair Station No. K5SR339N					
Work Order: 14983 Printed by EBis 3 (datcomedia.com)					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
PROP MODEL: PHC-J3YF-1RF PROP S/N: FP4096B REG. NO: N828DT WORK ORDER: 14974					
Keystone Aviation Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone: 801 359-2085					
DATE: 12/1/2006 A/C TSN: 289 PROP TT: 289 HOBBS: 289					
Prop Entries PROPELLER ANNUAL/ 100 HOUR INSPECTION C/W PER CIRRUS DESIGN INSPECTION CHECKLIST 05-20. PROPELLER APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation L.L.C. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order					
DATE: 12/1/2006 SIGNED: <i>Mark A French</i> mifrench Certified Repair Station No. K5SR339N					
Work Order: 14974 Printed by EBis 3 (datcomedia.com)					
ENGINE MODEL: IO-550-N27 ENGINE S/N: 917897 REG. NO: N828DT WORK ORDER: 16829					
Keystone Aviation Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone: 801 359-2085					
DATE: 2/14/2008 A/C TSN: 397.9 ENG TT: 397.9 HOBBS: 397.9					
Engine Entries ENGINE ANNUAL/ 100 HOUR INSPECTION C/W PER CIRRUS DESIGN SR22 INSPECTION CHECKLIST 05-20. ENGINE APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME. ENGINE OIL DRAINED HOT. REMOVED OIL FILTER AND INSPECTED FOR CONTAMINATES. NONE FOUND. INSTALLED NEW OIL FILTER P/N CH48108-1 AND SAFETIED. REINSTALLED OIL DRAIN PLUG AND MAGNETIC PLUG WITH NEW GASKETS P/N MS35769-11 AND SAFETIED. SERVICED ENGINE WITH 8 QTS OF EXXON ELITE 20W50. RAN AIRCRAFT. LEAK CHECK SATISFACTORY. ENGINE COMPRESSION CHECK C/W. CHECKED AS FOLLOWS: #1 78/80, #3 78/80, #5 75/80, #2 78/80, #4 75/80, #6 78/80. CHECKED SATISFACTORY. RT AND LT MAGNETOS ADJUSTED TO 22 DEGREES IAW CONTINENTAL SPECIFICATIONS. ADJUSTED ENGINE IDLE MIXTURE ADJUSTMENT PER TELEDYNE CONTINENTAL MOTOR SID-97-3C. OPERATIONAL CHECK SATISFACTORY. FUEL INJECTION NOZZLE 300 HOUR INSPECTION AND CLEANING C/W. REINSTALLED FUEL INJECTORS WITH NEW RUBBER GASKETS P/N 640612, NEW O-RINGS P/N 630979-9, AND NEW GASKETS P/N X-1473. TORQUED TOP NUT TO 42 IN/LBS AND FUEL NOZZLE TO 60 IN/LBS. RAN AIRCRAFT. LEAK CHECK SATISFACTORY. INSTALLED SPIRAL WRAP ON LEFT IGNITION HARNESS NEAR #2 FUEL INJECTOR TO PROTECT FUEL LINE FROM CHAFFING. #3 CYLINDER FUEL INJECTOR REMOVED AND REPLACED WITH NEW TUNED INJECTOR P/N 657068-3239. TORQUED NOZZLE TO 60 IN/LBS AND TOP NUT TO 42 IN/LBS. LEAK CHECKED SATISFACTORY. STARTER DRIVE ADAPTER P/N 642083-1A1 REMOVED. INSTALLED NEW STARTER ADAPTER P/N 642083-1A2 WITH NEW GASKET P/N 653470. INSTALLED NEW O-RING P/N AS3578-038 (MS9021-038) ON STARTER. TORQUED NUTS TO 200 IN/LBS. RAN AIRCRAFT. LEAK AND OPERATIONAL CHECK SATISFACTORY. The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation L.L.C. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order					
DATE: 2/14/2008 SIGNED: <i>Jimmy D Ray</i> jray Certified Repair Station No. K5SR339N					
Work Order: 16829 Printed by EBis 3 (datcomedia.com)					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
<div style="display: flex; justify-content: space-between;"> <div> ENGINE MODEL: IO-550-N27 ENGINE S/N: 917897 REG. NO: N828DT WORK ORDER: 18620 </div> <div> Million Air - Salt Lake City Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone: 801 359-2085 </div> <div> DATE: 3/20/2009 A/C TSN: 427.3 ENG TT: 427.3 HOBBS: 427.3 </div> </div>					
Engine Entries ENGINE ANNUAL/ 100 HOUR INSPECTION C/W PER CIRRUS SR22 INSPECTION CHECKLIST 5-20. ENGINE APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.... ENGINE OIL DRAINED HOT. REMOVED OIL FILTER AND INSPECTED FOR CONTAMINANTS. NONE FOUND. INSTALLED NEW OIL FILTER P/N CH48108-1 AND SAFETIED. REINSTALLED OIL DRAIN PLUG AND MAGNETIC PLUG WITH NEW GASKETS P/N MS35769-11 AND SAFETIED. SERVICED ENGINE WITH 8 QTS OF EXXON ELITE 20W50. RAN AIRCRAFT. LEAK CHECK SATISFACTORY.... ENGINE COMPRESSION CHECK C/W. CHECKED AS FOLLOWS: #1 76/80, #2 78/80, #3 77/80, #4 76/80, #5 76/80, AND #6 73/80. CHECKED SATISFACTORY.... LT/RT MAGNETOS INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB643B. CHECKED SATISFACTORY.... ENGINE CYLINDERS INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB96-12. CHECKED SATISFACTORY.... TCM POSITION-TUNED FUEL INJECTION NOZZLES INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SID05-7. CHECKED SATISFACTORY.... THROTTLE AND MIXTURE CONTROL ARMS INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB08-3. CHECKED SATISFACTORY.					
<small>The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air SLC Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order</small>					
DATE: 3/20/2009 SIGNED:  Work Order: 18620 <small>Jay Certified Repair Station No. K5SR339N</small> Printed by EBis 3 (datcomedia.com)					
1 of 1					
<div style="display: flex; justify-content: space-between;"> <div> ENGINE MODEL: IO-550-N27 ENGINE S/N: 917897 REG. NO: N828DT WORK ORDER: 20254 </div> <div> Million Air - Salt Lake City Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone: 801 359-2085 </div> <div> DATE: 4/19/2010 A/C TSN: 451.1 ENG TT: 451.1 HOBBS: 451.1 </div> </div>					
Engine Entries ENGINE HAS BEEN INSPECTED FOR AN 100 HOUR INSPECTION PER FAR 43 APPENDIX D USING CIRRUS DESIGN SR22 INSPECTION CHECKLIST 05-20 AS A REFERENCE AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.... ENGINE OIL DRAINED HOT. OIL FILTER REMOVED AND INSPECTED FOR CONTAMINANTS. NONE FOUND. NEW OIL FILTER P/N CH48108-1 INSTALLED AND SAFETIED. OIL DRAIN PLUG REINSTALLED WITH A NEW GASKET P/N MS 35769-11 AND SAFETIED. SERVICED ENGINE WITH 8 QTS OF EXXON 20-50 ELITE.... ENGINE COMPRESSION CHECK C/W. CHECKED AS FOLLOWS: #1: 73/80, #2: 72/80, #3: 75/80, #4: 70/80, #5: 72/80 AND #6: 70/80. CHECKED SATISFACTORY.... LT/RT MAGNETOS INSPECTION FOR CONTINUED AIRWORTHINESS PER TCM SB643B. CHECKED SATISFACTORY.... ENGINE CONTROL LINKAGES INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB95-2. CHECKED SATISFACTORY.... ENGINE CYLINDERS INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB96-12. CHECKED SATISFACTORY.... TCM POSITION-TUNED FUEL INJECTION NOZZLES INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SID05-7. CHECKED SATISFACTORY.... THROTTLE AND MIXTURE CONTROL ARMS INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB08-3. CHECKED SATISFACTORY.... #1 FUEL INJECTOR LINE ATTACH CLAMP BRACKET RESECURED TO INDUCTION TUBE.					
<small>I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order No. 20254</small>					
DATE: 4/19/2010 SIGNED:  Work Order: 20254 <small>Jay Certified Repair Station No. K5SR339N</small> Printed by EBis 3 (datcomedia.com)					
1 of 1					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
<div style="display: flex; justify-content: space-between;"> <div> ENGINE MODEL: IO-550-N27 ENGINE S/N: 917897 REG. NO: N828DT WORK ORDER: 21597 </div> <div> Million Air - Salt Lake City Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone: 801 359-2085 </div> <div> DATE: 2/3/2011 A/C TSN: 451.1 ENG TT: 451.1 HOBBS: 451.1 </div> </div>					
Engine Entries ENGINE COMPRESSION CHECK C/W. CHECKED AS FOLLOWS: #1: 75/80, #2: 73/80, #3: 75/80, #4: 72/80, #5: 73/80 AND #6: 76/80. CHECKED SATISFACTORY.... ENGINE OIL DRAINED HOT. OIL FILTER REMOVED AND INSPECTED FOR CONTAMINANTS. NONE FOUND. NEW OIL FILTER P/N CH48108-1 INSTALLED AND SAFETIED. OIL DRAIN PLUG REINSTALLED WITH A NEW GASKET P/N MS 35769-11 AND SAFETIED. ENGINE SERVICED WITH 8 QTS OF EXXON 20-50 ELITE. RAN AIRCRAFT. LEAK CHECK SATISFACTORY.					
<small>I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 21597</small>					
DATE: 2/3/2011 SIGNED:  Work Order: 21597 <small>Jay Certified Repair Station No. K5SR339N</small> Printed by EBis 3 (datcomedia.com)					
<div style="display: flex; justify-content: space-between;"> <div> ENGINE MODEL: IO-550-N27 ENGINE S/N: 917897 REG. NO: N828DT WORK ORDER: 21597 </div> <div> Million Air - Salt Lake City Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone: 801 359-2085 </div> <div> DATE: 2/3/2011 A/C TSN: 470.8 ENG TT: 470.8 HOBBS: 470.8 </div> </div>					
Engine Entries ENGINE COMPRESSION CHECK C/W. CHECKED AS FOLLOWS: #1: 75/80, #2: 73/80, #3: 75/80, #4: 72/80, #5: 73/80 AND #6: 76/80. CHECKED SATISFACTORY.... ENGINE OIL DRAINED HOT. OIL FILTER REMOVED AND INSPECTED FOR CONTAMINANTS. NONE FOUND. NEW OIL FILTER P/N CH48108-1 INSTALLED AND SAFETIED. OIL DRAIN PLUG REINSTALLED WITH A NEW GASKET P/N MS 35769-11 AND SAFETIED. ENGINE SERVICED WITH 8 QTS OF EXXON 20-50 ELITE. RAN AIRCRAFT. LEAK CHECK SATISFACTORY.					
<small>I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 21597</small>					
DATE: 2/3/2011 SIGNED:  Work Order: 21597 <small>Jay Certified Repair Station No. K5SR339N</small> Printed by EBis 3 (datcomedia.com)					
Date: 3/18/2011; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 479.5; Tach:; Total Time: 479.5; Engine - Type: TCM IO550-N27, S/N: 917897, Time: 479.5 Shop Order #: SH-11-0110 Item: 300 ANNUAL INSPECTIN DUE ON THIS ENGINE. COMPLIED WITH ANNUAL INSPECTION, DEFECTS ARE NOTED IN THIS WORK ORDER. Item: 301 ENGINE OIL AND OIL FILTER DUE CHANGE. DRAINED ENGINE OIL. REMOVED ENGINE OIL FILTER. INSPECTED OIL FILTER NO DEFECTS NOTED. INSTALLED NEW ENGINE OIL FILTER PN#CH48108-1. SERVICED ENGINE WITH 8QTS AEROSHELL 15W50. WORK PERFORMED IN REFERENCE WITH CIRRUS SR22M.M.12-10. Item: 302 PERFORM COMPRESSION CHECK. COMPRESSION CHECKED: 1- 73/80, 2- 68/80, 3- 72/80, 4- 70/80, 5- 70/80, 6- 72/80 ON ENGINE. Item: 303 TAKE ENGINE OIL SAMPLE. TOOK ENGINE OIL SAMPLE. SAMPLE SENT OUT FOR TESTING. Item: 304 BOTH LH AND RH MAGNETOS DUE 500 HR INSPECTION. REMOVED LH MAGNETO P/N 10-500556-1 S/N D05IA049 AND RH MAGNETO P/N 10-500556-1 S/N D05IA042 AND SENT OUT FOR 500 HR. SERVICE. RECIEVED BOTH REPAIRED MAGNETOS FROM QUALITY ACCESSORIES INC. THIER WORK ORDER 117160 DATED 3/10/2011. REINSTALLED BOTH MAGNETOS AND COMPLETED MAGNETO TIMING. GROUND RAN AIRCRAFT, OPS CHECK GOOD. Item: 305 ENGINE FUEL MIXTURE AT IDLE IS SET TOO LEAN, NO RPM RISE, AND IDLE RPM IS TOO HIGH AT					

Continued (500) →

Date	Brought For	Work Done
		800-810 RPM. ADJUSTED IDLE MIXTURE A HALF TURN TOWARDS RICH TO RICHEN MIXTURE AND BRING DOWN HIGH IDLE. GROUND RAN AIRCRAFT, OPS CHECK GOOD AT THIS TIME, ENGINE IDLED AT 700 RPM AND THERE WAS A 50 RPM INCREASE LEANING OUT ENGINE AT SHUT DOWN IN REFERENCE TELEDYNE CONTINENTAL MOTORS SID97-3E. Item: 306 ALL FUEL INJECTOR NOZZLES NEED CLEANED. REMOVED ALL FUEL INJECTOR NOZZLES, CLEANED ALL NOZZLES AND REINSTALLED FUEL INJECTOR NOZZLES AS REQUIRED. LEAK CHECK GOOD AT THIS TIME. Item: 307 AD 07-04-19 R1 AMEND. 39-15005 DATED 5/07/07 (SUPERIOR AIR PARTS, INC CAST CYLINDERS INSTALLED) DUE. COMPLIED WITH AD 07-04-19R1 AMEND. 39-15005 DATED 5/07/07 BY FINDING SUPERIOR AIR PARTS, INC CAST CYLINDERS NOT INSTALLED ON THIS ENGINE. Item: 308 AD 07-16-10 AMEND. 39-15149 DATED 8/23/07 (TURBOCHARGER COMPRESSOR ROTOR INSTALLED) DUE. COMPLIED WITH AD 07-16-10 AMEND. 39-15149 DATED 8/23/07 BY FINDING THIS ENGINE NOT FITTED WITH A TURBOCHARGER COMPRESSOR ROTOR. A.D. DOES NOT APPLY. Item: 309 AD 09-16-03 AMEND. 39-15986 DATED 9/09/09 (SUPERIOR AIR PARTS CAST CYLINDERS INSTALLED) DUE. COMPLIED WITH AD 09-16-03 AMEND. 39-15986 DATED 9/09/09 BY FINDING SUPERIOR AIR PARTS CAST CYLINDERS NOT INSTALLED ON THIS ENGINE. Item: 310 AD 09-19-07 AMEND. 39-16023 DATED 10/07/09 (EQ3 CYLINDER HEAD ASSY INSTALLED) DUE. COMPLIED WITH AD 09-19-07 AMEND. 39-16023 DATED 10/07/09 BY FINDING EQ3 CYLINDER HEAD ASSY. NOT INSTALLED ON THIS ENGINE. Item: 311 AD 10-11-04 AMEND. 39-16309 DATED 6/16/10 (HYDRAULIC VALVE LIFTERS INSTALLED) DUE. COMPLIED WITH AD 10-11-04 AMEND. 39-16309 DATED 6/16/10 (WHICH SUPERSEDED AD 09-24-51 AND AD 09-24-52) BY FINDING THE HYDRAULIC VALVE LIFTERS IN QUESTION BY THIS A.D. NOT INSTALLED IN THIS ENGINE PER THE ENGINE BUILD DATE AND NOT BEING INSTALLED AT A LATER DATE. The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station. Signed:  Dated: 3/18/2011 Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221
		Date: 5/04/2012; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 600.5; Tach:; Total Time: 600.5; Prop - Type: Hartzell PHC-J34F-IRF1F7693DFB, S/N: FP4096B, Time: 600.5 Shop Order #: SH-12-0148 Discrepancy: 300 ANNUAL INSPECTION DUE ON THIS ENGINE. Corrective Action: 300 COMPLIED WITH ANNUAL INSPECTION ON THIS ENGINE, DEFECTS ARE NOTED IN THIS WORK ORDER. Discrepancy: 301 ENGINE COMPRESSION CHECKS DUE. Corrective Action: 301 COMPLIED WITH COMPRESSION CHECKS AS FOLLOWS: CYLINDER #1-68/80, 2-62/80, 3-68/80, 4-66/80, 5-62/80, 6-66/80. Discrepancy: 302 ENGINE OIL AND FILTER DUE CHANGE. Corrective Action: 302 DRAINED ENGINE OIL, REMOVED AND INSPECTED OIL FILTER WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER P/N CH48108-1 AND SERVICED ENGINE WITH 8 QUARTS OF AEROSHELL 15W/50. GROUND RAN AIRCRAFT. LEAK CHECK GOOD IN REFERENCE WITH CIRRUS SR22 MAINTENANCE MANUAL 12-10. Discrepancy: 303 TAKE ENGINE OIL SAMPLE. Corrective Action: 303 TOOK ENGINE OIL SAMPLE AND SENT OUT FOR ANALYSIS. Discrepancy: 304

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ons,

AD 11-25-51 AMEND. 39-16891 DATED 11/29/11 (STARTER ADAPTER SHAFT GEAR) DUE.
Corrective Action: 304
COMPLIED WITH AD 11-25-51 AMEND. 39-16891 DATED 11/29/11 BY FINDING THIS ENGINE NOT
AFFECTED BY THIS A.D. PER THE ENGINE MODEL NUMBER AND NOT HAVING A TURBO CHARGER
INSTALLED. NO FURTHER ACTION REQUIRED.
Discrepancy: 305
AD 12-03-06 AMEND. 39-16947 DATED 2/24/12 (AFS FUEL SERVO DIAPHRAGM INSTALLED) DUE.
Corrective Action: 305
COMPLIED WITH AD 12-03-06 AMEND. 39-16947 DATED 2/24/12 BY FINDING A TCM FUEL SERVO
INSTALLED ON THIS ENGINE. NO FURTHER ACTION REQUIRED.
Discrepancy: 306
ALL ENGINE FUEL INJECTORS NEED CLEANED.
Corrective Action: 306
REMOVED, CLEANED AND INSPECTED ALL FUEL INJECTORS WITH NO DEFECTS NOTED.
REINSTALLED ALL INJECTORS IN THE CYLINDERS THAT THEY CAME OUT OF WITH NEW O-RINGS P/N
630979-9. LEAK CHECK GOOD AT THIS TIME.
Discrepancy: 307
SB 2X-74-01 REPLACEMENT OF FINE WIRE TYPE SPARK PLUGS.
Corrective Action: 307
REMOVED AND REPLACED ALL ENGINE FINE WIRE SPARK PLUGS WITH NEW SPARK PLUGS P/N
RHB32E IN ACCORDANCE WITH SB 2X-74-01.
The aircraft, airframe, aircraft engine, propeller or appliance identified above was
inspected & repaired in accordance with current regulations of the Federal Aviation Administration
and Annual inspection. I certify that this aircraft was found airworthy and
is approved for return to service. Pertinent details of the repair are on file at this repair station.

SIGNED: [Signature] DATE: 5/4/
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725

Date: 7/10/2013; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 658.00; Total Time: 658.00; Engine - Type: TCM IO550-N27, S/N: 917897, Time: 658.00
Shop Order #: SH-13-0260
Discrepancy: 300
Corrective Action: 300
ANNUAL DUE ENGINE (CIRRUS SR 22)
PERFORMED ANNUAL INSPECTION (CIRRUS SR22) ALL DISCREPENCIES LISTED ON WORK SHEET.
Discrepancy: 301
ENGINE COMPRESSIONS DUE.
Corrective Action: 301
PERFORMED COMPRESSION CHECK (AS FOLLOWS) #1 66/80 #2 72/80 #3 72/80 #4 62/80 #5 70/80 #6 70/80 MASTER ORIFICE READING 35
Discrepancy: 302
OIL CHANGE DUE
Corrective Action: 302
DRAINED OIL & REMOVED & INSPECTED FILTER. SERVICED ENGINE WITH 8 QUARTS AEROSHELL 15W 50 & ONE CH48108 FILTER WASHED & RAN ENGINE FOR LEAK CHECK NO DEFECTS NOTED AT THIS TIME.
Discrepancy: 303
TAKE ENGINE OIL SAMPLE.
Corrective Action: 303
TOOK ENGINE OIL SAMPLE & SENT FOR ANALYSIS
Discrepancy: 304
AD 12-10-13 AMENDMENT 39-17062, DATED 6/8/12 (STARTER ADAPTER SHAFT GEAR) IS DUE.
Corrective Action: 304

Date: 7/15/2015; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 878.10; Total Time.: Engine - Type: TCM
IO550-N27, S/N: 917897, Time:
Shop Order #: SH-15-0316, Closed: 7/17/2015
Discrepancy: 300
OIL CHANGE
Corrective Action:300
CHANGED ENGINE OIL AND OIL FILTER, INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED.
INSTALLED NEW ENGINE OIL FILTER PART NUMBER AA48108-2 SERVICED ENGINE WITH 8QTS
AEROSHELL 15W50 OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN.
Discrepancy: 301
OIL SAMPLE
Corrective Action:301
TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS.
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in
accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is
approved for return to service. Permanent details of the repair are on file at this repair station.
Signed: [Signature] Dated: 7-15-15
Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Record

Time Since		Engine Service and Maintenance Record	
COMPLIED WITH AD 12-10-13 AMENDMENT 39-17062, DATED 6/8/12 (STARTER ADAPTER SHAFT GEAR). THIS AD IS N/A. ENGINE IS NOT TURBO CHARGED. NO FURTHER ACTION TAKEN.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was <u>INSPECTED & REPAIRED</u> in accordance with current regulations of the Federal Aviation Administration and <u>Annual</u> inspection. I certify that this aircraft was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.			
SIGNED: <u>[Signature]</u>		DATE: <u>7-10-13</u>	
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725			
7/22/14 N828DT TCM: IO550N27 SN: 917897			
Tach Time: 730.0			
1. Removed starter adapter PN: 642083-A2 SN: A-415034 unit overhauled by Aerotech of Louisville. Reinstalled overhauled unit.			
2. Removed Iskra Starter pn 65618b24v. Replaced with new Hartzell MRB7000 SN H-0070460. Negligible wt and balance change. Check operation and for oil leaks OK.			
3. Engine run-up accomplished with no discrepancies noted.			
All work accomplished IAW AC43.13-1B/2B, TCM IO-550 maintenance manual, and all applicable FAR's.			
<u>[Signature]</u> William Wood A&P IA 2769598			
Date: 8/01/2014; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 733.30; Total Time: 733.30; Engine - Type: TCM IO550-N27, S/N: 917897, Time: 733.30			
Shop Order #: SH-14-0278			
Discrepancy: 300			
ANNUAL INSPECTION IS DUE ON THIS ENGINE.			
Corrective Action: 300			
COMPLIED WITH THE ANNUAL INSPECTION ON THIS ENGINE.			
Discrepancy: 301			
PERFORM COMPRESSION CHECK.			
Corrective Action: 301			
COMPRESSION CHECKED: 1-70/80, 2-68/80, 3-73/80, 4-65/80, 5-68/80, 6-68/80 ON THIS ENGINE.			
MASTER ORIFICE READING IS 46.			
Discrepancy: 302			
ENGINE OIL AND OIL FILTER DUE CHANGE.			
Corrective Action: 302			
CHANGED ENGINE OIL AND OIL FILTER. INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED AT THIS TIME. INSTALLED NEW CH48-108-1 OIL FILTER. SERVICED ENGINE WITH 8 QUARTS AEROSHELL 15W50 OIL. NO LEAKS NOTED.			
Discrepancy: 303			
TAKE ENGINE OIL SAMPLE.			
Corrective Action: 303			
TOOK ENGINE OIL SAMPLE AND SENT OUT FOR ANALYSIS.			
Discrepancy: 304			
AD 14-05-29 AMENDMENT 39-17801, DATED 4/25/14 (SUPERIOR AIR PARTS INVESTMENT CAST CYLINDER ASSEMBLIES) IS DUE.			
Corrective Action: 304			
COMPLIED WITH AD 14-05-29 AMENDMENT 39-17801, DATED 4/25/14 (SUPERIOR AIR PARTS INVESTMENT CAST CYLINDER ASSEMBLIES). AD IS N/A. THERE ARE NO SUPERIOR AIR PARTS CYLINDERS INSTALLED ON THIS ENGINE. NO FURTHER ACTION TAKEN.			
Discrepancy: 305			
PERFORM ENGINE FUEL SYSTEM SET UP.			
Corrective Action: 305			
HOOKED THE PORTA TESTS BOX TO ENGINE FUEL SYSTEM. ADJUSTED THE IDLE UN METERED PRESSURE DOWN TO 8.5. ADJUSTED THE ENGINE FULL POWER FUEL PRESSURE UP TO 30. EN RICHENED IDLE MIXTURE 1/4 TURN TO OBTAIN RPM RISE. RE-SET ENGINE IDLE TO 750 RPM.			
REMOVED PORTA TEST BOX FROM ENGINE. PERFORMED ENGINE FUEL SYSTEM LEAK CHECK, NO LEAKS NOTED AT THIS TIME. NO LEAKS NOTED AT THIS TIME.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was <u>INSPECTED</u> and <u>REPAIRED</u> in accordance with current regulations of the Federal Aviation Administration and <u>Annual</u> inspection. I certify that this aircraft was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.			
SIGNED: <u>[Signature]</u>		DATE: <u>8/1/14</u>	
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725			

Date	
	Date: 9/17/2015; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 901.40; Total Time: 901.40; Engine - Type: TCM IO550-N27, S/N: 917897, Time: 901.40
	Shop Order #: SH-15-0312
	Discrepancy: 300
	ANNUAL INSPECTION IS DUE ON THIS ENGINE.
	Corrective Action: 300
Brought Forward	COMPLIED WITH THE ANNUAL INSPECTION ON THIS ENGINE.
	Discrepancy: 301
	PERFORM COMPRESSION CHECK.
	Corrective Action: 301
	COMPRESSION CHECKED: 1-66/80, 2-64/80, 3-72/80, 4-59/80, 5-65/80, 6-76/80 ON THIS ENGINE.
	MASTER ORIFICE READING IS 42
	Discrepancy: 302
	ENGINE OIL AND OIL FILTER IS DUE CHANGE.
	Corrective Action: 302
	CHANGED ENGINE OIL AND OIL FILTER. INSPECTED THE OIL FILTER CARTRIDGE, NO DEFECTS NOTED AT THIS TIME. INSTALLED NEW OIL FILTER PART NUMBER AA48108-2. SERVICED THE ENGINE WITH 8 QUARTS AEROSHELL 15W50 OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN.
	Discrepancy: 303
	TAKE ENGINE OIL SAMPLE.
	Corrective Action: 303
	TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS.
	Discrepancy: 304
	BOTH MAGS DUE 500 HOUR INSPECTION.
	Corrective Action: 304
	SENT THE LEFT MAGNETO P/N- 10-500556-1 S/N- D051A049 AND THE RIGHT MAGNETO P/N- 10-500556-1 S/N- D051A042 TO QUALITY AIRCRAFT ACCESSORIES INC. (REPAIR STATION # GYIR334Y). THE LEFT MAGNETO WAS REPAIRED ON THEIR WORK ORDER # 007647 DATED 01/SEP/2015. THE RIGHT MAGNETO WAS REPAIRED ON THEIR WORK ORDER # 007648 DATED 01/SEP/2015. REINSTALLED AND TIMED THE MAGNETOS IN ACCORDANCE WITH CONTINENTAL AIRCRAFT ENGINE IO-550 PERMOLD SERIES MAINTENANCE AND OVERHAUL MANUAL CH. 17-12.1.
	Discrepancy: 305
	NUMBER 6 CYLINDER IS CRACKED BETWEEN FUEL INJECTOR NOZZLE AND SPARK PLUG HOLE.
	Corrective Action: 305
	REMOVED CYLINDER # 6 P/N- 655932A3 S/N- AC05FC390. INSTALLED NEW CYLINDER AND VALVE ASSEMBLY P/N- 658595A4 S/N- AC15GA107. WORK PERFORMED IN ACCORDANCE WITH CONTINENTAL MOTORS IO-550 PERMOLD SERIES MAINTENANCE AND OVERHAUL MANUAL PUBLICATION M-16 DATED 15/JULY/2015. PERFORMED GROUND BREAK IN PROCEDURES FOR NEW CYLINDER INSTALLATION IN ACCORDANCE WITH TCM SERVICE BULLETIN M89-7R1. OPERATIONAL AND LEAK CHECK GOOD.
	Discrepancy: 306
	TCM SB15-3 OIL SUMP ASSEMBLY INSPECTION IS DUE.
	Corrective Action: 306
	COMPLIED WITH TCM SB15-3 OIL SUMP ASSEMBLY INSPECTION. NO DEFECTS NOTED AT THIS TIME.
	The aircraft, airframe, aircraft engine, propeller or appliance identified above was <u>INSPECTED</u> and <u>REPAIRED</u> in accordance with current regulations of the Federal Aviation Administration and <u>Annual</u> inspection. I certify that this aircraft was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.
	SIGNED: <u>[Signature]</u> DATE: <u>9/17/15</u>
	Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725
	2/19/16 N828DT SR22 SN: 1648
	Lycoming IO-550
	Hobbs: 932.5 TTE: 932.5
	Drained engine oil and serviced engine with 8 quarts Aeroshell 15W50. Oil filter removed and replaces with Tempest 48108, old filter cut open and inspected with no debris found. Engine run-up accomplished with no leaks or discrepancies found.
	All work accomplished IAW AC 43.13-1B/2B, IO-550 maintenance manual, and all applicable FAR's. I certify this engine was determined to be in airworthy condition and approved for return to service in respect to work performed.
	<u>[Signature]</u> William Wood A&P IA 2769598

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Date	Total Time		Time Since Last Overhaul		<h1>Engine Service and Maintenance Record</h1> <p>Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins</p>
	Hrs.	Min.	Hrs.	Min.	
Brought Forw:					
<p>Date: 10/19/2017; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1097.20; Total Time: Shop Order #: A-17-0043 Discrepancy: 2 ADS-B UPGRADE Corrective Action: 2 REMOVED GARMIN GTX-327 TRANSPONDER P/N 011-00490-00 S/N 83721616 AND ACK A-30.4 BLIND ENCODER. INSTALLED GARMIN GTX-335 ADS-B OUT TRANSPONDER P/N 010-01214-01 S/N 3EE001691 USING GARMIN INSTALL MANUAL P/N190-01499-02 REV. 9 DATED MAY 31, 2017 AND STC 3 SA01714WI, AND ACK A-30.9 RS 232 BLIND ENCODER USING MANUAL PART NUMBER A30M REV. 06 DATED 2/11/2015. THE INSTALLED ADS-B OUT SYSTEM WAS SHOWN TO MEET THE EQUIPMENT PERFORMANCE OF 14 CFR PART 91.227. THE AIRCRAFT WEIGHT AND BALANCE DATA, EQUIPMENT LIST, AND AIRFRAME LOGS WERE UPDATED TO REFLECT THIS CHANGE. PERFORMED AN ELECTRICAL LOAD ANALYSIS AND FOUND TOTAL LOAD NOT TO EXCEED 80% OF RATED CAPACITY. A FAA FORM 337 AND FLIGHT MANUAL SUPPLEMENT WAS COMPLETED AND FILED WITH THE FAA. Discrepancy: 3 UPGRADE GARMIN GNS-430'S WAAS SOFTWARE Corrective Action: 3 UPGRADED GARMIN NUMBER 1 AND 2 GNS-430 WAAS GPS MAIN SOFTWARE FROM 5.20 TO VERSION 5.30 AS PER GARMIN SERVICE BULLETIN NO. 1606 REV. B DATED AUGUST 2, 2016. GROUND OPERATIONAL CHECKED NORMAL. The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station. Signed: <u>[Signature]</u> Dated: <u>10-19-2017</u> Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221</p> <p><i>Incorrect Log Book. AirFrame. TB</i></p>					
<p>Date: 10/19/2017; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1097.10; Total Time: 1097.10; Engine - Type: TCM IO550-N27, S/N: 917897, Time: 1097.10 Shop Order #: SH-17-0395 Discrepancy: 300 ANNUAL INSPECTION IS DUE ON THIS ENGINE Corrective Action: 300 COMPLIED WITH ANNUAL INSPECTION ON THIS ENGINE. SEE THIS WORK ORDER FOR DEFECTS. NEXT DUE IN 12 MONTHS Discrepancy: 301 CHANGE ENGINE OIL AND OIL FILTER. INSPECT OIL FILTER CARTRIDGE Corrective Action: 301 CHANGED ENGINE OIL AND OIL FILTER, INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED. INSTALLED NEW ENGINE OIL FILTER PART NUMBER AA48108-2, SERVICED ENGINE WITH 8 QUARTS AEROSHELL 15W50 ENGINE OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN Discrepancy: 302 TAKE ENGINE OIL SAMPLE Corrective Action: 302 TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS Discrepancy: 303 PERFORM COMPRESSION CHECK Corrective Action: 303 COMPRESSION CHECKED: 1- 62/80, 2- 58/80, 3- 65/80, 4- 54/80, 5- 53/80, 6- 66/80. MASTER ORIFICE READING IS 46 The aircraft, airframe, aircraft engine, propeller or appliance identified above was <u>Inspected and Repaired</u> in accordance with current regulations of the Federal Aviation Administration and <u>Annual</u> inspection. I certify that this aircraft was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station. SIGNED: <u>[Signature]</u> DATE: <u>10-19-2017</u> Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725</p>					

Date	
	<p>Date: 3/09/2018; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1133.20; Total Time:; Engine - Type: TCM IO550-N27, S/N: 917897, Time:</p> <p>Shop Order #: SH-18-0107</p> <p>Discrepancy: 300</p> <p>ENGINE OIL AND OIL FILTER ARE DUE CHANGE.</p> <p>Corrective Action: 300</p> <p>CHANGED ENGINE OIL AND OIL FILTER. INSPECTED THE OIL FILTER CARTRIDGE, NO DEFECTS NOTED AT THIS TIME. INSTALLED NEW TEMPEST OIL FILTER PART NUMBER AA48108-2. SERVICED THE ENGINE WITH 8 QUARTS AEROSHELL 15W50. NO LEAKS NOTED FOLLOWING ENGINE RUN.</p> <p>Discrepancy: 301</p> <p>TAKE ENGINE OIL SAMPLE.</p> <p>Corrective Action: 301</p> <p>TOOK ENGINE OIL SAMPLE AND SENT OUT FOR ANALYSIS.</p> <p>The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.</p> <p>Signed: <u>[Signature]</u> Dated: <u>3/9/18</u></p> <p>Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221</p>
	<p>Date: 6/26/2018; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1167.10; Total Time:; Engine - Type: TCM IO550-N27, S/N: 917897, Time:</p> <p>Shop Order #: SH-18-0271</p> <p>Discrepancy: 300</p> <p>CHANGE ENGINE OIL AND OIL FILTER. INSPECT OIL FILTER CARTRIDGE.</p> <p>Corrective Action: 300</p> <p>CHANGED ENGINE OIL AND OIL FILTER. INSPECTED THE OIL FILTER CARTRIDGE, NO DEFECTS NOTED AT THIS TIME. INSTALLED NEW TEMPEST OIL FILTER PART NUMBER AA48108-2. SERVICED THE ENGINE WITH 8 QUARTS AEROSHELL 15W50. NO LEAKS NOTED FOLLOWING ENGINE RUN.</p> <p>Discrepancy: 301</p> <p>TAKE ENGINE OIL SAMPLE</p> <p>Corrective Action: 301</p> <p>TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS</p> <p>Discrepancy: 302</p> <p>RIGHT MAGNETO IMPULSE COUPLING IS INTERMITTENT.</p> <p>Corrective Action: 302</p> <p>REMOVED RIGHT MAGNETO IMPULSE COUPLING P/N- 10-400307 S/N- T-269 AND INSTALLED NEW IMPULSE COUPLING P/N- 10-400307 S/N- T-330 IN ACCORDANCE WITH S-20/S-200 SERIES HIGH TENSION MAGNETOS MAINTENANCE AND OVERHAUL MANUAL. INSTALLED RIGHT MAGNETO IN ACCORDANCE WITH CIRRUS SR22 AMM CH. 74-10. OPERATIONAL GROUND RUN GOOD AT THIS TIME.</p> <p>NO LEAKS NOTED AT THIS TIME.</p> <p>The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.</p> <p>Signed: <u>[Signature]</u> Dated: <u>06-26-2018</u></p> <p>Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221</p>
	<p>Date: 11/19/2018; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1198.30; Total Time: 1198.30; Engine - Type: TCM IO550-N27, S/N: 917897, Time: 1198.30</p> <p>Shop Order #: SH-18-0421</p> <p>Discrepancy: 300</p> <p>ENGINE ANNUAL DUE.</p> <p>Corrective Action: 300</p> <p>COMPLIED WITH ENGINE ANNUAL INSPECTION. NEXT DUE IN 12 MONTHS. SEE THIS WORK ORDER FOR DEFECTS.</p> <p>Discrepancy: 301</p> <p>PERFORM COMPRESSION CHECK.</p> <p>Corrective Action: 301</p> <p>COMPRESSION CHECKED: 1- 62/80, 2- 64/80, 3- 74/80, 4- 74/80, 5- 63/80, 6- 71/80. MASTER ORIFICE READING IS 46</p> <p>Discrepancy: 302</p> <p>CHANGE ENGINE OIL AND OIL FILTER. INSPECT OIL FILTER CARTRIDGE.</p> <p>Corrective Action: 302</p> <p>CHANGED ENGINE OIL AND OIL FILTER, INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED. INSTALLED NEW ENGINE OIL FILTER PART NUMBER . AA48102-2 SERVICED ENGINE WITH 8 QTS AEROSHELL 15W50 NO LEAKS NOTED FOLLOWING ENGINE RUN.</p> <p>Discrepancy: 303</p> <p>OIL ANALYSIS REQUESTED</p> <p>Corrective Action: 303</p> <p>TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS</p> <p>Discrepancy: 304</p> <p>NUMBER 4 CYLINDER HAS LOW COMPRESSION. 34 OUT OF 80, MASTER ORIFICE READING WAS 46.</p>

AIR LEAKING PAST RINGS AND EXHAUST VALVE

Corrective Action: 304

REMOVED OLD CYLINDER AND INSTALLED NEW CYLINDER PART NUMBER 658595A2BP SERIAL NUMBER AC18CB448 PER CONTINENTAL AIRCRAFT ENGINE MAINTENANCE MANUAL CHAPTER 10. THEN PERFORMED CYLINDER BRAKE IN GROUND RUNS PER CONTINENTAL AIRCRAFT ENGINE MAINTENANCE MANUAL CHAPTER 7. LEAK AND OPERATIONAL CHECK GOOD AT THIS TIME. NEW CYLINDER COMPRESSION WAS 74/80. MASTER ORIFICE WAS 44.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was

Bro Inspected & Repaired in accordance with current regulations of the Federal Aviation Administration and Approved inspection. I certify that this aircraft was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

SIGNED: Paul R. Schubert DATE: 11-19-19
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725

Record

il Inspections,

Date: 6/20/2019; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1247.60; Total Time:; Engine - Type: TCM IO550-N27, S/N: 917897, Time:

Shop Order #: SH-19-0165, Closed: 6/21/2019

Discrepancy: 300

CHANGE ENGINE OIL AND OIL FILTER. INSPECT OIL FILTER CARTRIDGE.

Corrective Action: 300

CHANGED ENGINE OIL AND OIL FILTER, INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED. INSTALLED NEW ENGINE OIL FILTER PART NUMBER AA481108-2 AND SERVICED ENGINE WITH 8 QUARTS AEROSHELL 15W50 OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN.

Discrepancy: 301

TAKE ENGINE OIL SAMPLE.

Corrective Action: 301

TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS

Discrepancy: 302

THE OIL SAMPLE TAKEN REVEALED A MINUTE AMOUNT OF AMS#4610 MATERIAL. THE RECOMMENDATION IS TO REMOVE AND INSPECT THE STARTER AND STARTER ADAPTER.

Corrective Action: 302

REMOVED THE STARTER AND STARTER ADAPTER. ADAPTER TCM PART NUMBER 642083-A2, SERIAL NUMBER BER 4C3-241408. STARTER SKY-TEC PART NUMBER C24ST3, SERIAL NUMBER 4C3-241408. INSTALLED AN OVERHAULED STARTER ADAPTER PART NUMBER 642083A12, SERIAL NUMBER 8755 OVERHAULED BY AIRCRAFT ACCESSORIES ON THEIR WORK ORDER NUMBER S019-1148 DATED 5/28/19 APPROVAL NUMBER RV3R829L. INSTALLED AN OVERHAULED STARTER PART NUMBER 646275 -1, SERIAL NUMBER H-S103975 OVERHAULED BY HARTZELL ENGINE TECHNOLOGIES ON THEIR WORK ORDER # M456030 DATED 11/2/18 APPROVAL NUMBER 1H2R769B. OPERATIONAL AND LEAK CHECKED. STARTER AND STARTER ADAPTER INSTALLED PER THE TCM MAINTENANCE MANUAL CH.

17.7

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: Paul R. Schubert Dated: 6-20-19
Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 1/02/2020; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1278.80; Total Time: 1278.80; Engine - Type: TCM IO550-N27, S/N: 917897, Time: 1278.80

Shop Order #: SH-19-0432

Discrepancy: 300

ANNUAL INSPECTION DUE ON ENGINE

Corrective Action: 300

COMPLIED WITH ANNUAL INSPECTION ON ENGINE. NEXT DUE IN 12 MONTHS. SEE THIS WORK ORDER FOR DEFECTS.

Discrepancy: 301

CHANGE ENGINE OIL AND OIL FILTER. INSPECT OIL FILTER CARTRIDGE.

Corrective Action: 301

CHANGED ENGINE OIL AND OIL FILTER, INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED. INSTALLED NEW ENGINE OIL FILTER PART NUMBER AA481108-2 AND SERVICED ENGINE WITH 8 QUARTS AEROSHELL 80 OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN.

Discrepancy: 302

TAKE ENGINE OIL SAMPLE.

Corrective Action: 302

TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS

Discrepancy: 303

PERFORM COMPRESSION CHECK.

Corrective Action: 303

COMPRESSION CHECKED: 1- 60/80, 2- 64/80, 3- 68/30, 4- 77/80, 5- 56/80, 6- 74/80. MASTER ORIFICE READING IS 50

Discrepancy: 304

ENGINE FUEL NOZZLES DUE CLEANING

Corrective Action: 304

REMOVED, CLEANED AND REINSTALLED SAME FUEL INJECTOR NOZZLES IN ACCORDANCE WITH CONTINENTAL POSITION TUNED FUEL INJECTOR NOZZLES INSTALLATION AND MAINTENANCE MANUAL. NO DEFECTS NOTED AT THIS TIME

Discrepancy: 305

CYLINDER #5 MAKING METAL/ LOW COMPRESSION LEAKING PAST EXHAUST VALVE

Corrective Action: 305

REMOVED CYLINDER #5 AND SENT FOR REPAIR. REPAIRED BY G AND N AIRCRAFT ON THEIR WORK ORDER 73985 REPAIR STATION IDMW2R0201. REINSTALLED CYLINDER AFTER REPAIR IN ACCORDANCE WITH TCM SPMM 10-37-10 AND ENGINE MAINTENANCE AND OVERHAUL MANUAL 16-27 -16. LEAK CHECKED FUEL SYSTEM. NO LEAKS NOTED AT THIS TIME. PERFORMED GROUND RUN UP. NO DEFECTS NOTED AT THIS TIME.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was

Inspected & Repaired in accordance with current regulations of the Federal Aviation Administration and Approved inspection. I certify that this aircraft was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

SIGNED: Paul R. Schubert DATE: 1-2-20
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725

e Record

cial Inspections,

Date: 6/26/2020; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1314.10; Total Time:; Engine - Type: TCM IO550-N27, S/N: 917897, Time:

Shop Order #: SH-20-0167

Discrepancy: 300

CHANGE ENGINE OIL AND OIL FILTER. INSPECT OIL FILTER CARTRIDGE.

Corrective Action: 300

CHANGED ENGINE OIL AND OIL FILTER, INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED. INSTALLED NEW ENGINE OIL FILTER PART NUMBER AA481108-2 AND SERVICED ENGINE WITH 8 QUARTS AEROSHELL 15W50 OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN.

Discrepancy: 301

TAKE ENGINE OIL SAMPLE.

Corrective Action: 301

TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: James Stok Dated: 6-26-2020
Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 11/19/2020
IO550-N27, S/N: 917897
Shop Order #: SH-21-0211

Total Time: Engine - Type: TCM

Date

Discrepancy: 300
CHANGE ENGINE OIL AND OIL FILTER. INSPECT OIL FILTER CARTRIDGE.

Brought For

CHANGED ENGINE OIL AND OIL FILTER. INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED. INSTALLED NEW ENGINE OIL FILTER PART NUMBER AA48108-2 AND SERVICED ENGINE WITH 8 QUARTS AEROSHELL 15W50 OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN. COMPLETED CIRRUS CMX IN SERVICE INSPECTION 1 (50 HOUR INSPECTION), NO DEFECTS NOTED.

Discrepancy: 301
TAKE ENGINE OIL SAMPLE.

Corrective Action: 301
TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *Paul R. Schaeffer* Dated: 11-19-2020

Date: 3/01/2021; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1357.80; Total Time: 1357.80; Engine -

Type: TCM IO550-N27, S/N: 917897, Time: 1357.80

Shop Order #: SH-21-0021

Discrepancy: 300

ANNUAL INSPECTION DUE ON ENGINE

Corrective Action: 300

COMPLIED WITH ANNUAL INSPECTION ON ENGINE. NEXT DUE IN 12 MONTHS. SEE THIS WORK ORDER FOR DEFECTS.

Discrepancy: 301

CHANGE ENGINE OIL AND OIL FILTER. INSPECT OIL FILTER CARTRIDGE.

Corrective Action: 301

CHANGED ENGINE OIL AND OIL FILTER, INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED. INSTALLED NEW ENGINE OIL FILTER PART NUMBER AA48108-2 AND SERVICED ENGINE WITH 8 QUARTS AEROSHELL 15W50 OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN.

Discrepancy: 302

TAKE ENGINE OIL SAMPLE.

Corrective Action: 302

TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS

Discrepancy: 303

PERFORM COMPRESSION CHECK.

Corrective Action: 303

COMPRESSION CHECKED: 1- 50/80, 2- 52 /80, 3- 67/80, 4- 69/80, 5- 69/80, 6- 60/80. MASTER ORIFICE READING IS 43

Discrepancy: 304

BOTH MAGNETOS DUE 500 HOUR INSPECTION

Corrective Action: 304

REMOVED BOTH MAGNETOS AND REINSTALLED FOLLOWING 500 HOUR SERVICE FROM AIRCRAFT MAGNETO SERVICE ON THEIR WORK ORDER NUMBER 27269. RIGHT MAGNETO PART NUMBER 10-500556-1 SERIAL NUMBER D05IA042 AND WORK ORDER NUMBER 27270 LEFT MAGNETO PART NUMBER 10-500556-1 SERIAL NUMBER D05IA049. ALL WORK DONE IN ACCORDANCE WITH TCM IO-550-N MAINTENANCE MANUAL AND MO

The aircraft, airframe, aircraft engine, propeller or appliance identified above was inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station.

SIGNED: *Paul R. Schaeffer* DATE: 3-1-2021
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725

WTA INC.

LOG BOOK ENTRY

N828DT

WEST TENNESSEE AVIATION
(731) 885-5601

127 AIRPORT ROAD

MAYFIELD, KY 42066

MAY 11, 2021

HM 1385.1

ETSN 1385.1

Removed left mag S/N D05IA049 due to being inop. Found points burnt and capacitor failed. Returned to Aircraft Magneto Service for warranty repair W/O 28455. Reinstalled and timed. Installed 12 new plugs URHB-32E.

W/O 21-0502

Signed

Date 5-11-21

WTA Aviation Inc. 127 Airport Road
Mayfield, KY 42066 AP 3381523

Date

Brought For

Date: 7/08/2021; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1408.30; Total Time: Engine - Type: TCM IO550-N27, S/N: 917897, Time: 1408.30

Shop Order #: SH-21-0211

Discrepancy: 300

CHANGE ENGINE OIL AND OIL FILTER. INSPECT OIL FILTER CARTRIDGE.

Corrective Action: 300

CHANGED ENGINE OIL AND OIL FILTER, INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED. INSTALLED NEW ENGINE OIL FILTER PART NUMBER AA48108-2 AND SERVICED ENGINE WITH 8 QTS. AEROSHELL 15W50 OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN.

Discrepancy: 301

TAKE ENGINE OIL SAMPLE.

Corrective Action: 301

TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *James D. ...* Dated: 7-8-2021
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 7/08/2021; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1408.30; Total Time:

Shop Order #: SH-21-0211

Discrepancy: 2

RECURRING 50 HOUR CMX INSPECTION/SERVICE INTERVAL DUE

Corrective Action: 2

COMPLIED WITH CIRRUS CMX RECURRING 50 HOUR INSPECTION/SERVICE INTERVAL PER CMX IN-SERVICE INSPECTION I CHECK LIST. NO DEFECTS NOTED AT THIS TIME

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *James D. ...* Dated: 7-8-2021
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 11/03/2021; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1460.60; Total Time: Engine - Type: TCM

IO550-N27, S/N: 917897, Time: 1460.60

Shop Order #: SH-21-0387

Discrepancy: 300

CHANGE ENGINE OIL AND OIL FILTER. INSPECT OIL FILTER CARTRIDGE.

Corrective Action: 300

CHANGED ENGINE OIL AND OIL FILTER, INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED. INSTALLED NEW ENGINE OIL FILTER PART NUMBER AA48108-2 AND SERVICED ENGINE WITH 8 QUARTS AEROSHELL 15W50 OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN.

Discrepancy: 301

TAKE ENGINE OIL SAMPLE.

Corrective Action: 301

TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS

Discrepancy: 302

#5 EXHAUST PIPE CRACKED

Corrective Action: 302

REMOVED AND REPLACED #5 EXHAUST PIPE WITH REPAIRED PART NUMBER 15070-003. REPAIRED BY PLANEXHAUST CORP ON THEIR WORK ORDER 39049, CERTIFICATE NUMBER Q6SR742J. WORK DONE IN ACCORDANCE WITH CIRRUS AIRCRAFT MAINTENANCE MANUAL

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *James D. ...* Dated: 11-03-2021
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

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Maintenance Record

Press Directives, Special Inspections,

Date: 5/09/2022; Aircraft: N828DT; Type: SR22; S/N: 1648; Hobbs: 1512.30; Total Time: 1512.30; Engine - Type: TCM IO550-N27, S/N: 917897, Time: 1512.30

Shop Order #: SH-22-0090

Discrepancy: 300

ANNUAL INSPECTION DUE ON ENGINE

Corrective Action: 300

COMPLIED WITH ANNUAL INSPECTION ON ENGINE. NEXT DUE IN 12 MONTHS. SEE THIS WORK ORDER FOR DEFECTS.

Discrepancy: 301

CHANGE ENGINE OIL AND OIL FILTER. INSPECT OIL FILTER CARTRIDGE.

Corrective Action: 301

CHANGED ENGINE OIL AND OIL FILTER, INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED. INSTALLED NEW ENGINE OIL FILTER PART NUMBER AA48108-2 AND SERVICED ENGINE WITH 8 QUARTS AEROSHELL 100 MINERAL OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN.

Discrepancy: 302

TAKE ENGINE OIL SAMPLE.

Corrective Action: 302

TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS

Discrepancy: 303

PERFORM COMPRESSION CHECK.

Corrective Action: 303

COMPRESSION CHECKED: 1- 72/80, 2- 68/80, 3- 58/80, 4- 71/80, 5- 72/80, 6- 60/80. MASTER ORIFICE READING IS 44

Discrepancy: 304

NUMBER 1 CYLINDER HAS LOW COMPRESSION AT 50 BLOWING BY RINGS AND EXHAUST VALVE

Corrective Action: 304

REMOVED CYLINDER PART NUMBER 655932 SERIAL NUMBER ACO5HA235 AND PISTON PART NUMBER 654857C AND SENT FOR REPAIR. REPAIRED BY G&N AIRCRAFT ON THEIR WORK ORDER 75071, REPAIR STATION NUMBER MW2R020L. REINSTALLED SAME CYLINDER AND PISTON AFTER REPAIR. GROUND RAN AIRCRAFT. OPERATIONAL AND LEAK CHECK GOOD, NO DEFECTS NOTED AT THIS TIME. COMPRESSION AT 72/80. WORK DONE IN ACCORDANCE WITH CONTINENTAL IO-550 MAINTENANCE AND OVERHAUL MANUAL

Discrepancy: 305

NUMBER 2 CYLINDER HAS LOW COMPRESSION 50 BLOWING BY RINGS AND EXHAUST VALVE

Corrective Action: 305

REMOVE CYLINDER PART NUMBER 655932 SERIAL NUMBER ACO5H382 AND PISTON PART NUMBER 654857C AND SENT FOR REPAIR. REPAIRED BY G&N AIRCRAFT ON THEIR WORK ORDER 75071, REPAIR STATION NUMBER MW2R020L. REINSTALLED SAME CYLINDER AND PISTON AFTER REPAIR. OPERATIONAL AND LEAK CHECK GOOD, NO DEFECTS NOTED AT THIS TIME. COMPRESSION AT 72/80. WORK DONE IN ACCORDANCE WITH CONTINENTAL IO-550 MAINTENANCE AND OVERHAUL MANUAL

Discrepancy: 306

FUEL NOZZLES DUE CLEANING

Corrective Action: 306

REMOVED FUEL NOZZLES. CLEANED AND INSPECTED. NO DEFECTS NOTED AT THIS TIME. REINSTALLED NOZZLES. LEAK AND OPERATIONAL CHECK GOOD AT THIS TIME. WORK DONE IN ACCORDANCE WITH CONTINENTAL FUEL INJECTOR NOZZLE INSTALLATION AND MAINTENANCE MANUAL. NEXT DUE IN 12 MONTHS OR 300 HOURS

Discrepancy: 307

CYLINDER #5 EGT PROBE INOP

Corrective Action: 307

REMOVED AND REPLACED EGT PROBE PART NUMBER: 12641-001 WITH NEW EGT PROBE PART NUMBER: 16579-002. GROUND RAN AIRCRAFT. OPERATIONAL CHECK GOOD NO DEFECTS NOTED AT THIS TIME. WORK DONE IN ACCORDANCE WITH CIRRUS SR22 MAINTENANCE MANUAL CHAPTER 77. The aircraft, airframe, aircraft engine, propeller or appliance identified above was

INSPECT & REPAIR in accordance with current regulations of the Federal Aviation Administration and inspection. I certify that this aircraft was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

SIGNED: James D. Bero DATE: 6-9-2022
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725



Thoroughbred Aviation Maintenance, Inc.
Engine

Date: 07/27/2022

AC: N828DT

Hobbs: 1534.6

Engine M/N: IO-550-N(27)

Engine S/N: 917897

Engine TT: 1534.6

WO: 223304

Tach: N/A

Engine SMOH: N/A

1. Performed hot engine compressions: 1) 73/80, 2) 65/80, 3) 62/80, 4) 60/80, 5) 72/80, 6) 65/80.
2. Oil filter cut for inspection, no contamination or metallic particles noted. Installed new Tempest AA48108-2. Drained engine oil and send AOA oil analysis sample out. Serviced engine with 8-qts of Aeroshell 15W50 oil. Ground run, ops checked, and leak checked OK.

End

MAINTENANCE RELEASE

The aircraft and/or component identified was repaired in accordance with current FAA regulations and was found airworthy for return to service for the work performed. "Pertinent" details of the repair are on file at this agency under Work Order: 223304
Date: 07/27/2022 Signed: Michael E. Goss CRS: R81R199Y

N828DT

Engine

10-10-2022

IO 550-N

S/N: 917739

HOBBS: 1603.0

W/O: 8577

Drained oil and removed oil filter. Checked oil filter for abnormalities, none found. Collected oil sample for AvLab. Replaced oil filter with new P/N AA48108-2. Serviced engine with 8 quarts Aeroshell 15W50. Washed engine, and test ran. No leaks noted. END.

Michael E. Goss
Michael E. Goss
A&P 3077585

Kentucky Airmotive, Inc.
709 Airport Road
Mt. Sterling, KY 40353
(859) 498-6633

N828DT

Engine

11/23/2022

Cirrus SR22

S/N: 1648

HOBBS: 1631.2

W/O: 8607

Replace both magnetos with 500 hour inspected magnetos. Left mag P/N: 10-500556-1. S/N: D05DA159. Right mag P/N: 10-500556-1, S/N: D05DA025. Both magnetos inspected by Aircraft Magneto Service of Stevensville, MT on work orders 30500 (left) and 30501 (right) dated 22 September 2022. Ground operational check good. END.

Michael E. Goss
Michael E. Goss
A&P 3077585

Kentucky Airmotive, Inc.
709 Airport Road
Mt. Sterling, KY 40353
(859) 498-6633

N828DT

Engine

06/27/2023

IO 550-N(7)

S/N: 917897

Hobbs: 1725.5

SNEW: 1725.5

WO: 8577

Engine inspected and serviced in conjunction with an annual/100 hour inspection in accordance with FAR 43.13 Appendix D. Performed differential compression check as follows: #1) 78/80, #2) 76/80, #3) 60/80, #4) 60/80, #5) 60/80, #6) 62/80. Drained oil and removed oil filter. Checked for abnormalities. None found. Replaced oil filter with new AA48108-2. Serviced engine with 8 quarts AeroShell 15W-50. Cleaned, gapped, tested and rotated all spark plugs. Engine washed and ground run. No leaks noted. I certify this engine has been inspected in accordance with an annual/ 100 hour inspection and was found to be in airworthy condition. END

Michael E. Goss
Michael E. Goss
A&P 3077585 1A

Kentucky Airmotive, Inc.
709 Airport Road
Mt. Sterling, KY 40353
(859) 498-6633



Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date

Total Time

Time Since
Last Overhaul

Hrs.

Min.

Hrs.

Min.

Brought Forward

N828DT
Engine
07/26/2024

IO 550-N(7)
S/N: 917897

Hobbs: 1887.2
SNEW: 1887.2

WO: 8990

Engine inspected and serviced in conjunction with an annual/100 hour inspection in accordance with FAR 43.13 Appendix D. Performed differential compression check as follows: #1) 70/80, #2) 67/80, #3) 65/80, #4) 57/80, #5) 60/80, #6) 65/80. Drained oil and removed oil filter. Checked for abnormalities. None found. Replaced oil filter with new AA48108-2. Serviced engine with 8 quarts AeroShell 15W-50. Cleaned, gapped, tested and rotated all spark plugs. Engine washed and ground run. No leaks noted. I certify this engine has been inspected in accordance with an annual/ 100 hour inspection and was found to be in airworthy condition. END

Michael E. Goss
Michael E. Goss
A&P 3077585 IA

Kentucky Airmotive, Inc.
709 Airport Road
Mt. Sterling, KY 40353
(859) 498-6633



N828DT
Engine
08/12/2025

IO 550-N (7)
S/N: 917897

Hobbs: 1944.5
SNEW: 1944.5

WO 9222

Engine inspected and serviced in conjunction with an annual/100 hour inspection in accordance with FAR 43.13 Appendix D. Performed differential compression check as follows: 1) 70/80, 2) 67/80, 3) 65/80, 4) 57/80, 5) 60/80, 6) 65/80. Drained oil and removed oil filter. Checked for abnormalities. None found. Replaced oil filter with new AA48108-2. Serviced engine with 8 quarts AeroShell 15W-50. Cleaned, gapped, tested and rotated all spark plugs. Replaced fuel drain on #5 cylinder P/N: 655742. Engine washed and ground run. No leaks noted. I certify this engine has been inspected in accordance with an annual/ 100 hour inspection and was found to be in airworthy condition. END

Michael E. Goss
Michael E. Goss
A&P 3077585 IA

Kentucky Airmotive, Inc.
709 Airport Road
Mt. Sterling, KY 40353
(859) 498-6633