



11 Country Place | Montross, VA 24149

DATE: 31-Jul-2017 WIC#: W052124 TYPE OF TEST: Standard Acceptance CRS# WS9R575J

ENGINE MODEL: TSIO-360-FB SERIAL NUMBER: 310082 RPM: 2,575 HP: 200

FUEL OCTANE: 100LL OIL SPEC: 50wt with Royco 581 SPARK PLUGS: RHM38E NOZZLES: 12E

TIME MINUTES	RPM	MANIFOLD PRESS	OIL PRESS	OIL TEMP	FUEL PRESS	NOZZLE PRESS	FUEL FLOW	TIT °F	EGT °F	CYLINDER HEAD TEMPERATURE °F							
										1	2	3	4	5	6	7	8
5	1,200	10.2	75	88	8.0	3.0	12.6	N/A	N/A								
5	1,500	10.1	79	95	9.4	3.0	16.0	-	-	239	262	240	234	232	220		
10	2,450	22.0	78	130	15.3	6.7	47.5	-	-	327	344	313	323	306	292		
15	2,575	41.0	43	214	41.3	16.9	134.3	-	-	389	418	385	399	341	329		
10	E.P.C.																
10	2,450	22.0	42	213	17.9	7.8	67.6	-	-	393	420	384	354	354	333		
5	700	14.9	13	210	7.3	3.3	11.4	-	-	306	324	334	287	283	271		
15	2,450	22.0	68	155	15.0	6.2	44.8	-	-	371	389	344	366	329	330		
15	2,450	22.0	52	180	15.5	6.8	47.9	-	-	403	424	385	403	360	357		
5	1,500	15.0	27	215	8.9	3.9	21.8	-	-	-	Engine	Cool	Down	Phase	-		
5	1,500	14.7	41	184	8.8	3.8	21.6	-	-								
2	700	14.9	18	182	6.5	3.2	10.4	-	-								
TEST	700		Mln 10		6.26/6.75												
LIMITS	2,575	41.0	30/80	240°F	40.0/43.0	16.8/18.3	130/140			-	-	460°F	Max	-	-		

REMARKS:

AMBIENT AIR TEMP: 90°F ABSOLUTE BAROMETRIC PRESSURE: 24.0" ELEV: 5758' A.S.L

BOTH MAGS RPM: 1,800 LEFT MAG DROP: 50 RIGHT MAG DROP: 50 FUEL CUT OFF: Good

PROPELLER #: 4 PROPELLER GOVERNOR #: 2

TEST OPERATOR: Jason Becker

SIGNATURE

WESTERN SKYWAYS INC.  
 WS9R575J  
 WORK PROGRESSION LOG

W/O #: W052142

DATE: 4-27-16

SQ: 100

MANUAL: X30593A

CUSTOMER	[REDACTED]	REPAIRS	OVERHAUL
EXTERNAL CONDITION AND DISASSEMBLY		REASSEMBLY	
DESCRIPTION:	CONTINENTAL FUEL SYSTEM <u>649051A2</u>	REPLACED ALL 100 % REPLACEMENT PARTS AND REASSEMBLED AS IAW OVERHAUL MANUAL <input checked="" type="checkbox"/>	
FUEL PUMP	PN: SN: <u>646758-3</u> <u>J118923BR</u>	LIST OF ALL PARTS REPLACED ON FILE WITH WORK ORDER.	
MANIFOLD VALVE	PN: SN: <u>641032-11A8</u> <u>J118907CR</u>	PARTIAL REPAIR ASSEMBLY <input checked="" type="checkbox"/>	
FUEL METERING UNIT	PN: SN: <u>640563-7</u> <u>J118904AR</u>	REPAIR PART REPLACED: SERVICEBLE USED <input type="checkbox"/> NEW <input type="checkbox"/> <u>NONE</u>	
6 EA. FUEL NOZZLES	6 EA. FUEL LINES:	COMPONENTS ASSEMBLED:	
YES <input checked="" type="checkbox"/> NO: YES: NO:	FUEL LIMITER <input type="checkbox"/> P/N: S/N:	T/C <input checked="" type="checkbox"/> PUMP <input checked="" type="checkbox"/> M/V <input checked="" type="checkbox"/> LIMITOR	
EXTERNAL CONDITION INSPECTION FOUND:	GOOD <input type="checkbox"/> FAIR <input checked="" type="checkbox"/> BAD <input type="checkbox"/>	TORQUED ALL REQUIRED SCREWS, NUTS, AND BOLTS PER: X30593A	
DEFECT <input type="checkbox"/> STED BELOW <input checked="" type="checkbox"/>	<u>Reason Overhaul</u>	SAFETY WIRE OR LOCKTITE ALL APPROPRIATE SCREWS, NUTS, AND BOLTS <input checked="" type="checkbox"/>	
DISASSEMBLED IAW MANUAL <input checked="" type="checkbox"/>	PARTIAL REPAIR DISASSEMBLY <input checked="" type="checkbox"/>	INSTALLED LEAD-SEALS ON COMPONENT SAFETY WIRE: T/C <input checked="" type="checkbox"/> M/V <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> FUEL LIMITER <input type="checkbox"/>	
LIST RECEIVED COMPONENT ITEMS MISSING:		LIST COMPONENT RETURN ITEMS MISSING:	
NOTES:		<u>No overhauled Resorted Fuel System</u>	
MECH: [REDACTED] INSP: [REDACTED]	DATE: <u>4-28-17</u>	MECH: [REDACTED] INSP: [REDACTED]	
<u>CLEANING AND INSPECTION</u>	<u>BENCH TEST AND CALIBRATION</u>	FUNCTION, LEAK, AND CALIBRATED PER X30593A AND SID97-3 (latest revision) AND PER APPLICABLE ENGINE MODEL <u>TSD0360FB</u>	
CLEANED ALL PARTS IN SOLVENT: <input checked="" type="checkbox"/>	INSPECTED ALL PARTS FOR CRACKS, CORROSION AND OVERALL SERVICEABILITY: <input checked="" type="checkbox"/>	T/C ASSY. <input type="checkbox"/> FUEL PUMP <input checked="" type="checkbox"/> M/V <input checked="" type="checkbox"/>	
GLASS BEADED AND ALODINED ALL APPROPRIATE PARTS <u>N/A</u> <input type="checkbox"/>	CLEANED AND INSPECTED FUEL LINES AND NOZZLES: <input checked="" type="checkbox"/>	FUEL LIMITER <input type="checkbox"/> NOZZLES <input checked="" type="checkbox"/>	
CK HERE IF ATTACH PAGE APPLIES FOR NOTES AND SPECS <u>NO</u> <input type="checkbox"/>	CK HERE IF S.B.'S AND A.D.'S APPLY <input checked="" type="checkbox"/>	CK IF ATTACH TEST SHEET APPLIES <input checked="" type="checkbox"/>	
NOTES: <u>SR95-7</u>	FLOWED <input type="checkbox"/> EA. FUEL NOZZLES. ALL NOZZLES FLOWED AT <input type="checkbox"/> PSI.	1. <input checked="" type="checkbox"/> 2. <input checked="" type="checkbox"/> 3. <input checked="" type="checkbox"/>	
<u>CSR08-3c</u>	NOTES:	4. <input checked="" type="checkbox"/> 5. <input checked="" type="checkbox"/> 6. <input checked="" type="checkbox"/>	
MECH: [REDACTED] INSP: [REDACTED]	MECH: [REDACTED] INSP: [REDACTED]		

WESTERN SICYWAYS, INC. CRS # WS9R575J

Quality Aviation Services Worldwide

Montrose, CO 81401

MANUAL  
ENGINE MODEL  
PUMP  
FUEL CONTROL  
NOZZLE MODEL  
MANIFOLD VALVE  
DATE  
MECII

IAW X30593A

TSIO 360 FB

646758-2

640563-7

12E

641032-11A8

4-15-17

CUSTOMER

WORK ORDER: WOS2142

RPM	THROTTLE ANGLE	MANIFOLD PRESSURE HG"	INLET PRESSURE GAUGE		FLOW P.P.H		PRESSURE GAUGE # 0 METERED	
			LIMITS	TEST	LIMITS	TEST	LIMITS	TEST
700	closed	—	6.7/6.7	6.5	—	11	—	—
1575	wot	40	43/46	43	130/140	140	15.3/16.3	16.3

NOZZLE #1 24 #2 24 #3 24 #4 24 #5 24 #6 24

PUMP PERFORMANCE TEST - Check low end high end for maximum pressure performance

PERFORMANCE HIGH END: 55 LOW END: 15

Check pump low end seal test - adjust low end screw for pressure consistency

Check high end and low end for hysteresis to be minus 5% of outlet flow pressure

Fuel control mixture shut off must not exceed 20 drops per minute

Fuel pump mixture shut off (360's) at 600 RPM flow must not exceed 2 lbs per hr.

NOTES:

Form SQ 136

05/02/2014