

1946

Luscombe Silvaire Model 8A



Bob Plourde

6/24/1946



1946 Luscombe Slivair 8A Special - LSA - TT 2200, Engine TT 1500, SMOH 700. 1 qt/15 hours. Dual 12.5gal wing tanks, (burns around 4.5 gal/hour). "D" windows, extended baggage. Poly Fiber wings painted with aero-thane. Restored in 2007 by an A&P/IA. The following items were **replaced** at restoration: all windows with opening passenger window, tires with no leak tubes and wheel pants, all cables, new slick mags, door posts, cabin roof. Also carry through's cleaned and zinc coated, interior, new McCauley prop 1B907447, and dual shoulder harnesses. All new controls, has wing lights and dual landing lights (not hooked up) and the preferred brakes, Heath tail wheel. Intercom, outside antenna mount and connector for handheld radio. Prop, fuselage and tail "Bruce's Customer Covers" Nice looking and great flying 8A.

Compression:

1) 77 2) 75 3) 76 4) 76

65 hp

Equipment List Luscombe N8554Y s/n 2658
October 4th 2007

Stromberg Carb. NAS3A1
Bracket Air Filter
Duel Bendix Scintilla Magnetos SF4RN-8 s/ns 61562 & 76390
McCaulley Prop. 1B90/CM7447 s/n Z140005
600 x 6 Wheels Cleveland
600 x 6 Tires McCreary
Brakes Cleveland
Tailwheel Scott 2000
Wheel Pants Fiberglass
Duel Controls L.A.C.
Park Brake L.A.C.
Safety Belts (2)
ELT Ameri-King AK 450
Compass Precision Vertical
Bendix Ignition Switch
Clock Waltham
Ball and Bank Pioneer
Venturi Pioneer
Rate of Climb AC
Oil Pressure SW
Airspeed Kollsman
Altimeter Kollsman
Tachometer AC
Oil Temperature Rochester
Primer Kohler
Nav Lights tail Grimes
Nav Lights Wings Grimes
Duel Landing Lights G.E. No. 4509

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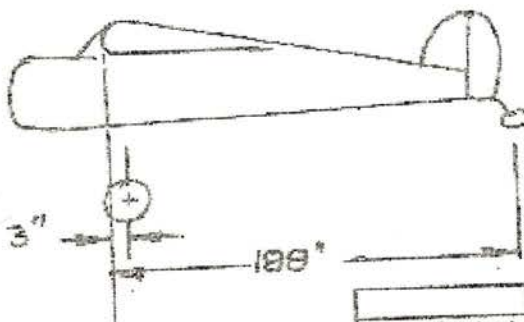
SPECIAL
LUSCOMBE SILVAIRE
MODEL 8A

Engine Rating.....	65 horsepower @ 2300 rpm
Gross Weight.....	1260 pounds
Empty Weight.....	881 pounds
Wing Span.....	35 feet
Wing Cord.....	50 inches
Overall Length.....	20 feet
Overall Height.....	6 feet 3 inches
Propeller Diameter.....	76 inches
Baggage Capacity.....	75 pounds
Power Loading.....	19.4 pounds per horsepower
Wing Loading.....	9 pounds per sq. ft.
Maximum Speed.....	115 mph
Cruising Speed.....	105 mph
Never Exceed Speed.....	145 mph
Stalling Speed.....	45 mph (indicated)
Take-off Run.....	625 feet
Landing Roll.....	500 feet
Rate of Climb.....	800 feet per min. (sea level)
Best Rate of Climb.....	72 mph
Cruising Range.....	500 miles
Service Ceiling.....	15,000 feet
Fuel Consumption/Cruising.....	4.5 gals. per hour
Fuel Capacity.....	25 gallons
Oil Capacity.....	4 quarts
Fuel Octain Rating.....	73 (minimum)
Tire Pressure.....	16 pounds

OPERATIONS

Engine.....	Maximum RPM - 2300
	Cruising RPM - 2150
	Idle RPM - 550
Oil Pressure.....	Maximum - 48 lbs/sq.in.
	Normal - 38 to 40 lbs/sq.in.
	Minimum - 25 lbs/sq.in.
Oil Temperture...	Maximum - 220°F
	Normal - 120°F to 200°F
	Caution - 40°F to 120°F
Air Speed.....	Never Exceed Speed - 145 mph (TIAS)
	Normal Operations - 45 to 105 mph (TIAS)

AIRPLANE WEIGHT AND BALANCE STATEMENT With Equipment List dated October 4th, 2007



Model BA
 Serial No. 2658
 "N" No. N8554Y
 EMPTY WEIGHT LIMITS
 +12.3 FWD +17.5 REAR

	Scale	Tare	Net
Front Scale L	407	N/A	407
R	416	N/A	416
Both	823	—	—
Rear Scale	66	0	58
Weight Empty	—	—	881

Empty Weight C.G. is 15.18"

CALCULATION OF EXTREME C.G. CONDITIONS

Item	Forward C.G.			Rearward C.G.		
	Wt.	Arm	Mom	Wt.	Arm	Mom
Empty	881	15.18	13374	881	15.18	13374
Oil	8.4	-24	-202	8.4	-24	-202
Fuel	42	20	840	42	20	840
Personnel	170	20	3400	274	20	5480
Baggage	—	40	—	55	40	2200
TOTAL	1101	15.81	17412	1260	17.2	21612
Approved C.G. Limits			13.6	18.75		

230
 187
 17