

LUSCOMBE AIRPLANE CORPORATION
DALLAS, TEXAS

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SERVICE BULLETIN NUMBER 6-46

Subject: Hot Weather Operation
Model: Models 8A and 8E Silvaire

Several owners have raised questions regarding the allowable oil temperature range for satisfactory hot weather operation of the Continental 65 and 85 H.P. engines installed in the subject model airplanes. The following comments and suggestions are for your information and guidance in this regard:

1. Maximum allowable oil temperature for satisfactory engine operation is 220°. Normal range of the oil temperature in moderate weather is 160 to 200°. These figures might be exceeded where the outside air exceeds 100° or when the engine is used full throttle in a prolonged climb. Prolonged operation at temperatures approaching 220° should be avoided by reducing power.
2. Check all baffles for snug fit against cylinders, crank case, and cowling. The Model 8A is equipped with a vertical baffle above the engine at the rear of the cylinders which is designed to fit tightly against the cowling when the cowl doors are shut. This can be checked by sighting through the front cowl openings. If a gap exists between cowling and baffle, this should be eliminated by use of additional felt or leather strips stapled to the vertical baffle to insure proper sealing. Satisfactory cooling of the engine depends largely upon proper sealing of these baffles against the cowling.
3. For continuous operation in high temperatures, it may be advisable to use slightly heavier oil than normal.

For additional suggestions on proper engine operation under such conditions consult the Continental Engine Operations Manual. If any unusual situations arise, please do not hesitate to contact the Luscombe Service Department for detailed suggestions or recommendations.

/s/ E.W. Norris
Vice-President – Engineering

/s/ Otto W. Hoernig
Service Department

/s/ K.E. Chantry, Continental Motors Corporation

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