
J.G. Saure

GILBERTI AVIATION
P.O. BOX 246
ALIQUIPPA, PA.

TAYLORCRAFT MODEL 19 C.A.A. IDENTIFICATION NO.: N96121

AIRPLANE FLIGHT MANUAL

1. LIMITATIONS

The following limitations must be observed in the operation of this airplane:

- A. Engine: Continental C-85-12F or C-85-12
- B. Engine limits--for all operations 2575 RPM (85 H.P.)
- C. Fuel--80 octane Minimum Aviation Gasoline
- D. Propellers--Fixed Pitch Wood: 72" Maximum Diameter (Sensenich)
70.5" Minimum Diameter
 - 1. Static Limits: Maximum 2350 RPM
Minimum 2250 RPM

- E. Engine Instrument Markings
 - 1. Oil Temperature--Redline: Maximum 220° F.
Green Arc: (Normal Operation) 90°-220° F
 - 2. Oil Pressure Redline: Maximum 40 PSI
Green Arc: (Normal Operation) 10-40 PSI
 - 3. Tachometer Redline: (Do Not Exceed) 2575 RPM

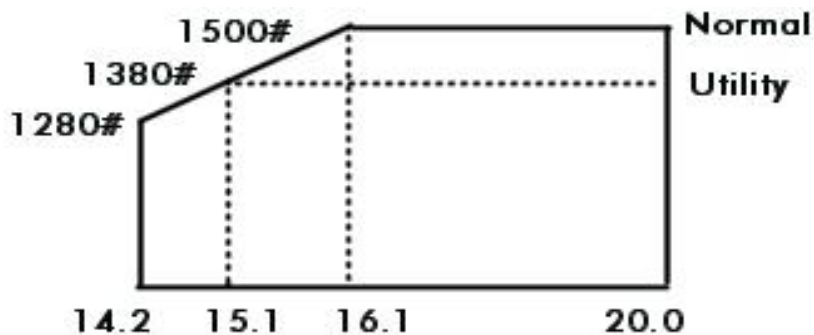
F. Airspeed Limits (Calibrated Airspeed)

	Normal Category	Utility Category
Never Exceed	136	141
Max. Structural Cruising	108	104
Maneuvering	87	86

G. Flight Load Factors

	Normal Category	Utility Category
Maximum Positive	3.8	4.4
Maximum Negative	No Inverted Maneuvers Approved	
Maximum Weight	1500#	1380#

H. C.G. Range as shown



C.G. POSITION

1. Datum located at leading edge of wing
2. Maximum Baggage--72 lbs.

Note: It is the responsibility of the airplane owner and pilot to ensure that the airplane is properly loaded. (See Weight and Balance Section).

J. Placards--The following placards must be displayed:

1. On the instrument panel in full view of the pilot
 - a. "Operate in normal or utility category in compliance with approved flight manual"
 - b. "Aerobatics (including spins) prohibited in normal category"
 - c. "No Smoking"
 - d. "Fuel to engine feeds from main tank only".
Wing tank fuel must be transferred to main tank.
2. On the Baggage Compartment
 - a. Maximum Baggage 72 lbs.

K. Maneuvers

1. Normal Category--No aerobatic maneuvers (including spins) approved
2. Utility Category.
The following maneuvers approved for operations with recommended entry speeds
 - a. Chandelles--90 -100 MPH
 - b. Lazy Eights--90-100 MPH
 - c. Steep Turns--80-100 MPH
 - d. Stalls (except whip stalls)--40 MPH
 - e. Spins--40 MPH

L. Airspeed Instrument markings and their significance (calibrated airspeeds)

- 1. Radial Red Line marks the never exceed speed which is the maximum safe airspeed--136 MPH**
- 2. Yellow arc on Indicator denotes range of speed which operations should be conducted with caution and only in smooth air--108-136 MPH**
- 3. Green arc denotes normal operating speed range--45-108 MPH**

M. Procedures:

- A. Except as noted above, all operating procedures for this airplane are conventional**

N. Performance

- A. Best R/C speed--70 MPH (corrected airspeed)**

C.A.A. Approved: May 26, 1953