

ENGINES

18. Number installed..... **One**
19. Makes..... **Lycoming**
20. Types..... **O-235-C**
21. International power of the engine or engines at.....
- (a) Sea level..... **100** H.P. at..... **2600**..... revolutions per minute.
(International number of revolutions)
- (b) Rated Altitude..... H.P. at..... revolutions per minute.
(International number of revolutions)
- Hourly consumption at mean 22. Fuel: (a)..... (b).....
sea level at above-mentioned
power per engine. 23. Oil: (a)..... (b).....
24. Airscrews { Number fitted..... **One** Types **Sensenich** No.....
Pitch..... **Fixed** Diameter.....
25. Weight of aircraft empty (a) Landplane..... **932** lbs.
(including water in the radiators): (b) Seaplane..... **1147** **1052** lbs.
(c) Skiplane..... lbs.

WEIGHT OF FUEL AND OIL

26. Fuel..... **231** lbs.
(at 7.2 lbs. per gallon)
- (a) Number of tanks..... **Two**
- (b) Capacity of tanks..... **32** Imp. gals.
27. Oil..... **11** lbs.
(at 9.0 lbs. per gallon)
- (a) Number of tanks..... **One**
- (b) Capacity of tanks..... **5** Imp. gals. - qts.
28. Weight allowed for crew..... **170** lbs.
29. Weight allowed for equipment, excluding wireless apparatus..... lbs.
30. Weight of wireless apparatus..... lbs.
31. Maximum commercial load (passengers, goods) authorized when the fuel and
oil tanks are full..... **Seaplane 374 lbs. L.P. 406** lbs.
32. Maximum total weight authorized..... lbs.
- Landplane..... **1750** lbs.
- Seaplane..... **1838** lbs.
- Skiplane..... lbs.

COMPULSORY CONDITIONS

33. Maximum total weight authorized (write in full).....
- Landplane..... **Seventeen hundred and fifty pounds**
- Seaplane..... **Eighteen hundred and thirty eight pounds**
- Skiplane.....
34. Minimum crew necessary..... **One**
35. Inspections and overhauls: See Air Regulations.
36. Stowage. See Air Regulations.
37. Distribution of the load: The aircraft must always be so loaded that the centre of gravity position
must fall within the limits of..... **9** inches and..... **18.6** inches behind the prescribed
datum.
38. The number of passengers carried must not, in any circumstances, exceed the number for which
seating accommodation is provided.
39. Except in emergency the speed of the engine must not exceed..... **2600** r.p.m. for a total of
more than one minute in each flight or, if the flight exceeds one hour, in each hour of flight; it
must never exceed..... **2600** r.p.m.
40. The indicated air speed must never exceed (a)..... m.p.h. and (b)..... m.p.h.
The Minister having regard to the reports furnished to him issues the present Certificate of
Airworthiness dated..... **February 16th, 1948.** in respect of the above-mentioned aircraft, in
accordance with the Convention on International Civil Aviation dated December 7, 1944, and with
Air Regulations, 1938.

This Certificate is only valid, subject to the above compulsory conditions being fulfilled and until
the date shown on page 4 hereof.

Given at Ottawa this..... **21st**..... day of..... **February**..... 19..... **48.**

[Signature]
Superintendent, Air Regulations.

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