

ENGINES

18. Number installed..... **One**.....
19. Makes..... **Ranger**.....
20. Types..... **6-440-C-5**.....
21. International power of the engine or engines at.....
- Take off** (a) Sea Level **200**..... H.P. at..... **2450**..... revolutions per minute.
(International number of revolutions)
- M.E.T.O.** (b) Rated Altitude **190**..... H.P. at..... **2225**..... revolutions per minute.
(International number of revolutions)
- Hourly consumption at mean sea level at above-mentioned power per engine. 22. Fuel: (a)..... (b).....
23. Oil: (a)..... (b).....
24. Airscrews { Number fitted..... **One**..... Types **Sensenich**..... No.....
{ Pitch..... **Fixed**..... Diameter.....
25. Weight of aircraft empty (a) Landplane..... **2070** lbs.
(including water in the radiators): (b) Seaplane..... lbs.
(c) Skiplane..... lbs.

WEIGHT OF FUEL AND OIL

26. Fuel..... **296** lbs.
(at 7.2 lbs. per gallon)
- (a) Number of tanks..... **Two**.....
- (b) Capacity of tanks..... **41**..... Imp. gals.
27. Oil..... **36** lbs.
(at 9.0 lbs. per gallon)
- (a) Number of tanks..... **One**.....
- (b) Capacity of tanks..... **4**..... Imp. gals.
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..... **L.P.**..... **228** lbs.
32. Maximum total weight authorized..... lbs.
Landplane..... **2800** lbs.
Seaplane..... lbs.
Skiplane..... lbs.

COMPULSORY CONDITIONS

33. Maximum total weight authorized (write in full).....
Landplane..... **Twenty Eight Hundred Pounds**.....
Seaplane.....
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..... **18.6**..... inches and **28.4**..... 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..... **2225**..... 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..... **2450**..... r.p.m.
40. The indicated air speed must never exceed (a)..... m.p.h. and (b)..... m.p.h.

The Minister of Transport having regard to the reports furnished to him issues the present Certificate of Airworthiness dated..... **April 16th, 1947**..... in respect of the above-mentioned aircraft, in accordance with the Convention for the Regulation of Aerial Navigation, dated 13th October, 1919, Annex B, 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..... **14th**..... day of..... **May**..... 19. **47**

[Signature]
Superintendent, Air Regulations.