

AIRCRAFT TYPE APPROVAL

Manufacturer The de Havilland Aircraft of Canada Limited,
Postal Station "L",
Toronto, Canada.

See NOTE 3 for additional information.

1. Model DH82C ----- Normal and Acrobatic Categories.

Engine DH Gipsy Major 1C.

Fuel 77 minimum octane aviation gasoline.

Engine Limits Normal B.H.P. 130 at 2100 r.p.m.
Max. B.H.P. 140 at 2400 r.p.m.

C.G. Range 23 inches to 30.7 inches aft of intersection of
diagonal fuselage tubes (Joint E) at top longeron.

Levelling Means Top longeron in rear cockpit.

Maximum Weights Landplane 1825 lbs. (normal)
Landplane 1770 lbs. (acrobatic)
Skiplane same as landplane
Seaplane 2000 lbs. (normal)
1825 lbs. with Item 3(b).

Maximum Permissible Speed 160 m.p.h. (139 knots).

Number of Seats Two

Approval Basis A.P. 1208

Equipment 1. (a) Fixed pitch metal propeller
Fairey Reid to Drawing No. 94103/X1.
(b) Fixed pitch wooden propeller
S & S 120-D.
(c) Fixed pitch wooden propeller
S & S 260-D.
(d) Fixed pitch wooden propeller
Granby 100-B.
(e) Fixed pitch wooden propeller
LA-604/A.

- 2. (a) Ski Installation, Waggett Drawing No. 542A.
Main Ski, Waggett 7
Main Pedestal, Waggett 106.
- (b) Ski Installation, DHC Drawing No. 1438, Issues IV and IX.
Main Ski, Elliott Bros. E10 1/2
Main Pedestal, DHC W104.
- (c) Ski Installation, M & C Drawing SH 4
Main Ski, Aircraft Skis S3
Main Pedestal, Aircraft Skis P5.
- 3. (a) Float Installation, DHC Drawing No. 9990 using Edo 47-1965 floats.
- (b) Float Installation, Wisnicki Drawing MFI-01 using Edo 1-1835 floats - limited to 1825 lbs. gross weight.
- (c) Float Installation, DHC Drawing 2908 or Edo Drawing 47-S-180 using Edo 47-1965 (Tiger Moth DH 82) floats.

NOTE 1. The following placards must be displayed in each pilot's cockpit:

- (a) "The aircraft must not be flown at airspeed indicator readings in excess of 160 m.p.h. (139 knots)."
- (b) "This aircraft must be operated in compliance with the Pilot's Notes or equivalent."

2. Model DH 82A Normal and Acrobatic Categories

Engine	DH Gipsy Major 1		
Engine Limits		<u>R.P.M.</u>	<u>Boost</u>
	Max. for take-off and climb (60 min.)	2100	Full throttle
	Max. for cruising	2100	-2.0 p.s.i.
C.G. Range	7.0 inches to 13.5 inches aft of the leading edge of the lower mainplane at the root. (See also NOTE 2.).		

Maximum Weights Landplane: 1825 lbs. (normal)
1770 lbs. (acrobatic)

Maximum Permissible Speed 160 m.p.h.

Number of Seats Two

Approval Basis United Kingdom Certificate of Airworthiness.

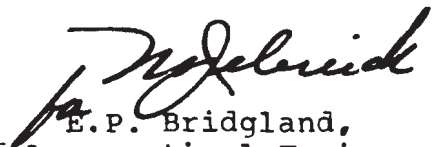
Equipment Fixed pitch wooden propeller DH 5220/P or any of the alternative propellers approved in the current A.R.B. Notices to Licensed Aircraft Engineers and to the Owners of Civil Aircraft.

NOTE 1. The following placards must be displayed in each pilot's cockpit:

- (a) "The engine r.p.m. must not exceed 2100 except in emergency, when it must not exceed 2350."
- (b) "The aircraft must not be flown at airspeed indicator readings in excess of 160 m.p.h. (139 knots)."
- (c) "This aircraft must be operated in compliance with the Pilot's Notes or equivalent."

NOTE 2. When anti-spinning strakes are fitted, the permissible C.G. range is 7.0 inches to 15.3 inches aft of the leading edge of the lower mainplane at the root (in VFR conditions only).

NOTE 3. The DH82A were manufactured by the de Havilland Aircraft Company Limited, Hatfield, England, or Morris Motors Ltd.


E.P. Bridgland,
Chief Aeronautical Engineer,
Department of Transport.