



S/L Armstrong

Inter-Departmental Memorandum

Ref L182/07/J
Date September 25, 1958
To Mr. S. E. Harper
From T. Roberts
Subject CALIBRATION OF HINGE MOMENT LIMITER

Herewith R.F.T. 07-5089, which covers testing on Hinge Moment
Limiters on aircraft 25202 and 25203.

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Central Files



AVRO AIRCRAFT LIMITED

MALTON, ONTARIO

REQUISITION FOR FLIGHT TEST

R.F.T. NO. 07-5089

SHEET NO. 1 OF

DATE: September 17, 1958

AIRCRAFT
25202 and 25203

ASSIGNMENT
X73-319

WORK ORDER NO.

CALIBRATION OF HINGE-MOMENT LIMITER

The following test is required on the rudder system of the above aircraft.

1. OBJECTIVE

To obtain a curve of rudder deflection vs q_c for 150 lb. pedal load.

2. INSTRUMENTATION

1. Pitot-static tester
2. Rudder angle
3. Pedal force.

3. TEST PROCEDURE

1. Aircraft electrics and hydraulics should be on, q_c system circuit breakers must be in. The Damper Amp. Cal. must be connected.
2. Automatic rudder feel should be selected in the pilots cockpit.
3. Hook up the pitot-static tester to the nose boom.
4. Apply 150 lbs. load to either rudder pedal and measure corresponding rudder deflection
5. Repeat for the other pedal.
6. Repeat 4 and 5 for q_c of 100, 150, 200, 300, 400 & 500 p.s.f.

4. DATA

- 4.1 Table of rudder angle and q_c for 150 lb pedal force.

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