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ENGINE FAILURE DATA

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Date March 6, 1947. Station Fort St. John. Trip 22-6.
Captain Maddon Aircraft Douglas CUA Engine No. 356370
Engine Time S/O. 130 hrs. 24 mins. L.E. _____ R.E. X New _____ old _____

Indication of Trouble Prior to Engine Failure

Approximately 12 minutes after take-off the engine oil temperature increased rapidly and oil pressure fell off to 50 lbs. The engine became noisy and slightly rough and was throttled back and aircraft returned to airport.

Investigation Carried out on Engine While Still in Aircraft

Oil sump and oil screen checked; parts of piston skirt and broken piston ring found in oil sump; metal flakes, particles and cuttings found in main oil screen No. 5; rear cylinder removed and No. 5 piston skirt found broken also lower ring. Master rod bearing flange broken and bearing appeared to have failed as master rod was loose on crankshaft.

Results of Investigation on Engine from Engine Shop