

32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
<table border="1"> <tr> <td colspan="16">PILOT</td> <td colspan="16">OTHERS</td> <td colspan="16">AIRFRAME FAILURE</td> <td colspan="16">ENGINE FAILURE</td> </tr> <tr> <td colspan="32">CAUSES OF ACCIDENTS</td> </tr> <tr> <td colspan="16">UNIT 2 B & G School Mossbank, Sask.</td> <td colspan="16">COM. 4</td> <td colspan="16">PLACE Johnston Lake</td> <td colspan="4">DATE 11-4-42</td> <td colspan="4">TIME 1630</td> </tr> <tr> <td colspan="16">A/C TYPE Battle</td> <td colspan="16">No. 1900</td> <td colspan="4">CRASH CAT. A</td> <td colspan="2">SE x</td> <td colspan="2">ME</td> <td colspan="2">DAY x</td> <td colspan="2">NIGHT</td> </tr> <tr> <td colspan="16">NAME</td> <td colspan="4">RANK</td> <td colspan="4">No.</td> <td colspan="4">DUTY</td> <td colspan="8">INJURIES</td> <td colspan="4">SERIOUS</td> </tr> <tr> <td colspan="16">Sexsmith E.B.</td> <td colspan="4">F/SGT</td> <td colspan="4">R75187</td> <td colspan="4">SP</td> <td colspan="8">Severely burned.</td> <td colspan="2">FATAL</td> <td colspan="2">INJURY</td> </tr> <tr> <td colspan="16">Kilpatrick J.A.</td> <td colspan="4">LAC.</td> <td colspan="4">R118065</td> <td colspan="4">PN.</td> <td colspan="8">Slightly burned.</td> <td colspan="2"></td> <td colspan="2">3</td> </tr> <tr> <td colspan="16">Barnholden G.</td> <td colspan="4">LAC.</td> <td colspan="4">R102462</td> <td colspan="4">PN.</td> <td colspan="8">" injured</td> <td colspan="4">CARD SERIAL NO.</td> </tr> <tr> <td colspan="16">TYPE A/F & ENGINE</td> <td colspan="4">No.</td> <td colspan="4">EXTENT OF DAMAGE</td> <td colspan="4">REPORT FORM</td> <td colspan="4">SERIAL No.</td> <td colspan="4">DATE</td> <td colspan="8">HOURS FLOWN BY PILOTS</td> </tr> <tr> <td colspan="16">Battle</td> <td colspan="4">1900</td> <td colspan="4">Total</td> <td colspan="4"></td> <td colspan="4"></td> <td colspan="2">INST.</td> <td colspan="2">NIGHT</td> <td colspan="2">ON TYPE</td> <td colspan="2">TOTAL</td> <td colspan="2">LAST 6 MOS.</td> </tr> <tr> <td colspan="16">Merlin III</td> <td colspan="4">8451</td> <td colspan="4">"</td> <td colspan="4"></td> <td colspan="4"></td> <td colspan="2">22</td> <td colspan="2">13</td> <td colspan="2">215 41</td> <td colspan="2">130 185</td> <td colspan="2"></td> </tr> <tr> <td colspan="16">SIGNAL No. & DATE</td> <td colspan="16">UNIT No. & DATE</td> <td colspan="16">COM. No. & DATE</td> <td colspan="4">REPORT</td> <td colspan="4">FILE</td> <td colspan="4">DATE</td> </tr> <tr> <td colspan="16">T-107</td> <td colspan="16">11-4-42</td> <td colspan="16"></td> <td colspan="4"></td> <td colspan="4"></td> <td colspan="4"></td> </tr> <tr> <td colspan="32">NATURE OF ACCIDENT</td> </tr> </table>																																PILOT																OTHERS																AIRFRAME FAILURE																ENGINE FAILURE																CAUSES OF ACCIDENTS																																UNIT 2 B & G School Mossbank, Sask.																COM. 4																PLACE Johnston Lake																DATE 11-4-42				TIME 1630				A/C TYPE Battle																No. 1900																CRASH CAT. A				SE x		ME		DAY x		NIGHT		NAME																RANK				No.				DUTY				INJURIES								SERIOUS				Sexsmith E.B.																F/SGT				R75187				SP				Severely burned.								FATAL		INJURY		Kilpatrick J.A.																LAC.				R118065				PN.				Slightly burned.										3		Barnholden G.																LAC.				R102462				PN.				" injured								CARD SERIAL NO.				TYPE A/F & ENGINE																No.				EXTENT OF DAMAGE				REPORT FORM				SERIAL No.				DATE				HOURS FLOWN BY PILOTS								Battle																1900				Total												INST.		NIGHT		ON TYPE		TOTAL		LAST 6 MOS.		Merlin III																8451				"												22		13		215 41		130 185				SIGNAL No. & DATE																UNIT No. & DATE																COM. No. & DATE																REPORT				FILE				DATE				T-107																11-4-42																																												NATURE OF ACCIDENT																															
PILOT																OTHERS																AIRFRAME FAILURE																ENGINE FAILURE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
CAUSES OF ACCIDENTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
UNIT 2 B & G School Mossbank, Sask.																COM. 4																PLACE Johnston Lake																DATE 11-4-42				TIME 1630																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
A/C TYPE Battle																No. 1900																CRASH CAT. A				SE x		ME		DAY x		NIGHT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NAME																RANK				No.				DUTY				INJURIES								SERIOUS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Sexsmith E.B.																F/SGT				R75187				SP				Severely burned.								FATAL		INJURY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Kilpatrick J.A.																LAC.				R118065				PN.				Slightly burned.										3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Barnholden G.																LAC.				R102462				PN.				" injured								CARD SERIAL NO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
TYPE A/F & ENGINE																No.				EXTENT OF DAMAGE				REPORT FORM				SERIAL No.				DATE				HOURS FLOWN BY PILOTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Battle																1900				Total												INST.		NIGHT		ON TYPE		TOTAL		LAST 6 MOS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Merlin III																8451				"												22		13		215 41		130 185																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
SIGNAL No. & DATE																UNIT No. & DATE																COM. No. & DATE																REPORT				FILE				DATE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
T-107																11-4-42																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NATURE OF ACCIDENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

CAUSE
 HAND O.
 INSTS.
 WEATHER
 DRKNS.
 ALG SURF.
 OTHER
 UND TD
 PRIMARY
 TAXIING
 LANDING
 TAKE OFF
 FLIGHT
 STATRY
 FATAL
 INJ.
 3RD.
 S. 2.
 S. 1.

CAUSE
 STAGE OF FLIGHT

DUTY ON WHICH ENGAGED:

Gunnery exercises.

COURT OF INQUIRY, INVESTIGATING OFFICER

OR COMMANDING OFFICER'S REPORT: Investigating Officer's Report.

NATURE OF ACCIDENT AND STAGE OF FLIGHT:

While waiting to start gunnery exercise at 3000 ft. A/C caught fire and pilot force landed. A/C burned up on ground.

DATE: R.170

15-4-42

COMPOSITION:

F.L. Prendergast, H.L. (C1644) No.2 B&G School, Mossbank, Sask.

RECOMMENDATIONS:

Instructions were issued to all flying personnel that immediately a glycol leak occurs, the pilot should turn off his petrol and apply to and use the R.C.A.F. procedure against fire while air-borne."

PRIMARY CAUSE:

18. Misc. Technical
A/C caught fire in the air, which was caused by glycol leak, caused by a failure of the connecting rods in No. 2 big end.

Conclusions of A.I.B.

This accident was due to fire in the air following on a major glycol leak caused by a failure of the connecting rods in no.2 big end.

SECONDARY CAUSE OR CONTRIBUTING FACTORS:

Forced landing and fire which destroyed the aircraft.

28. Fire - In Air

ACTION TAKEN:

(A) DISCIPLINARY (B) TECHNICAL (C) OTHER

Following instructions issued:

Action to be taken in the event of a glycol leak in the air:

(i) A glycol leak is recognized by white smoke coming out of the exhaust.

(ii) A violent explosion will denote that a connecting

rod has been thrown out of the side. If this happens the pilot should switch off his petrol, open up his engine fully and switch off. If these instructions are followed, no fire will result.

RECORDED BY _____ DATE _____
CHECKED BY _____ DATE _____