

CANADIAN MILITARY AIRCRAFT ACCIDENT REPORT

DATE	AIRCRAFT TYPE	MARK	AIRCRAFT No.	UNIT	BASE						
14 May 1951	Dakota		VC430	ANS							
COMMAND	CAT	ACCIDENT No.	FILE No.	STAGE OF FLIGHT	Time						
TC	A	105002	093-VC430	In Flight							
PLACE OF ACCIDENT			ENG.	Type	MANU. SER. No.	RCAF SER. No.					
51 10 N 61 08 W, P.E.I.			1	P&W R1530-92		12220					
			2	P&W R1530-92		12210					
			3								
			4								
Status of Personnel	OUT of AIRCRAFT		IN AIRCRAFT				OTHER AIRCRAFT INVOLVED				
	Killed	Injured	Killed	Injured	Uninjured	Total					Aircraft Type
Canadian			4			4					
Allied											
Civilians											
Total			4			4	Cat	K	S	Unit	Base
CREW MEMBERS / PASSENGERS											
Serv. No.	Rank	Name				Position	Status	Total Hrs	Hrs on Type	30 Days	
	F/O	Rodier J.L.E.				Pilot		1077			
	F/O	Foster D.M.				Pilot		844			
						Nav					
						Nav					

CANADIAN MILITARY AIRCRAFT ACCIDENT REPORT

CREW MEMBERS / PASSENGERS

Serv. No.	Rank	Name	Position	Status	Total Hrs	Hrs on Type	30 Days

ACCIDENT NARRATIVE / FURTHER INFORMATION AND PHOTO SOURCES

In flight on a navigation exercise at an altitude of approx. 9000' ASL, the aircraft disintegrated and crashed out of control. Investigation revealed that the reduction gear casing and propeller fell out. Two engine bearers and the reduction gear housing had been cracked prior to the accident. Combination of the engine falling out and the undercarriage falling down fractured the front main spar. This weakened the centre section to the extent that it failed and the port wing came off. All the occupants were killed at the time of the impact.

The lab reports on the cracked engine mounts indicated possibility that the cracks propagated from minute cracks left in upraised portion of the flash welds. There is a suspicion that the cracks may have extended because of previous shock loading on the engine mounts and the reduction gear's housing were cracked sometime prior to the accident. There is a strong possibility that the cracks in these components could have been detected by maintenance personnel if an adequate inspection had been carried out.

Failure of engine mounts on the port engine, possibly due to minute cracks left in upraised portion of the flash welds.

Aircraft disintegrated and crashed out of control.

PERSONNEL										ACCIDENT IDENTIFICATION										DECLIMINARY					CONFIRMED					CATEGORY OF DAMAGE					TYPE OF FLYING														
DATE										AIRCRAFT TYPE										MK					FILE NO.					TYPE OF FLYING																			
105002										DAKOTA										VC 430					ANS					093-VE430					TC														
CAT										AIRCRAFT NO.										UNIT					COMMAND					PLACE																			
A										TRAINING (REG) STAFF										D 14					804					TC																			
STAGE OF FLIGHT										AERODROME										ENGINES					MANUFACTURER					MODEL					R.C.A.F. NO.					MFGR'S. NO.									
IN FLIGHT										51° 10' N 61° 08' W										1 2					G+W R/530-92					12220					12210														
ASSESSMENTS										PLACE										3 4					R																								
STATUS OF PERSONNEL										OUT AIRCRAFT										IN AIRCRAFT					LIGHT CONDITIONS					CASUALTY INFORMATION																			
R.C.A.F. REGULAR										K										M					U					TOTAL					COSTING														
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R.C.A.F. RESERVES																																																	
OTHER CANADIAN FORCES																																																	
ALLIED FORCES																																																	
CIVILIANS																																																	
TOTAL										4																																							
NUMBER										RANK										NAME & INITIALS					STATUS					FUNCTION					TOTAL HOURS					ON TYPE INVOLVED					LAST SIX MONTHS				
F/O										RODIER J. LE										C					1077 97																								
F/O										FOSTER D.M.										27					844																								
STAGE										NUMBER										ACTIONED BY					CHECKED BY					PERSONNEL INVOLVED					NOTES														
T. 97																														FUNCTION					NO.					1					2				
D. 14										17.7.52										RE																													
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PUNCHED										22.2.54																																							
ROYAL CANADIAN AIR FORCE										D. F. 59										AIRCRAFT ACCIDENT RECORD																													

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