

Bill Boelte

Drone Fell Off P2 on Take-off

This was the second flight. The first was a first light departure which ended prematurely when the Stbd. Recip. Failed. We landed and ran over to the backup aircraft. We got airborne as quickly as we could. Just at lift off, the Stbd. Drone fell off the wing. They weighed 2,800 lbs. so even with full right aileron, the aircraft rolled left. We accelerated sufficiently for the aileron to be effective. We flew out to our designated drop point and launched the drone uneventfully.

JOB NUMBER: R0155BA 4R		***PILOT HISTORY REPORT***		FOR OFFICIAL USE ONLY		PAGE 12
				DATE PREPARED: 10/22/76		
MISHAP DATE: 11 AUG 1971		*****MISHAP INFORMATION*****		MAJOR CMD: CNAL SQUADRON		
MISHAP IDENT: 71081130401		REPORTING CUSTODIAN: VC-8		ACCIDENT LOCATION: RSVLT		DISEMBARKED
MODEL AIRCRAFT: DP002E		BUREAU NUMBER: 128401		AIRCRAFT DAMAGE: FOXTROT		
-----MISHAP CAUSES-----		-----MISHAP TYPE-----		-----PHASE OF OPERATIONS-----		TIME OF MISHAP
1 OTHER PERSONNEL		1 SYSTEM MALFUNCTION/FAILURES		1 TAKE OFF		DAY
2 MATERIAL - MAINTENANCE PERSONNEL		2 MISCELLANEOUS		2 TAKE OFF		
		*****PILOT INFORMATION*****				
SSN	S/N	NAME	INJ	STATUS	PILOT FACTOR	
435429373	0733123	BOELTE W F	G	PILOT IN COMMAND/FLIGHT LEADER	IN CONTROL, PILOT FACTOR NOT ASSIGNED TO THIS INDIVIDUAL	
*****NARRATIVE*****						
IMMED AFTER LIFT-OFF, BQM 34A DRONE ON STBD WING FELL OFF AND LANDED ALONG SIDE OF RWY. ACFT COMMENCED.						
ROLL TO LEFT WHICH WAS CORRECTED AND PLT CONTINUED NORM CLB OUT. AFTER DETERMINING NO DAMAGE TO ACFT, PLT						
CONTINUED MSN WITH NO FURTHER INCIDENTS. POST FLT INSP REVL'D PLT STBD MANUAL DRONE REL CABLE HAD EXCESSIVE						
TENSION. THIS CAUSED THE MASTER HYD CYL OF MANUAL REL SYS TO BE PARTIALLY ENGAGED. ADDITIONAL EXPANSION OF						
SYS HYD FLUID CAUSED BY HEATING ACCOMPANIED BY INCREASING AERODYNAMIC FORCES ON DRONE AND FLEXING OF WING						
DURING T/O COULD FURNISH NECESSARY FORCES TO FULLY ENGAGE SYS. CAUSE FACTOR - MAINT PERS - IMPROPER CABLE						
TENSION.						
