

Aviation Investigation Final Report

Location:	CONCRETE, Washir	ngton	Accident Number:	SEA92LA189
Date & Time:	August 24, 1992, 16	5:30 Local	Registration:	N37667
Aircraft:	HILLER	UH-12C	Aircraft Damage:	Substantial
Defining Event:			Injuries:	1 Minor
Flight Conducted Under:	Part 91: General av	iation - Personal		

Analysis

THE ACFT ENGINE LOST POWER ON DOWNWIND IN THE TRAFFIC PATTERN FOR LANDING AND THE PILOT INITIATED A FORCED LANDING IN AN OPEN PASTURE. THE ACFT TOUCHED DOWN ON UNEVEN TERRAIN AND ROLLED OVER. A POST ACCIDENT EXAM OF THE ACFT FUEL TANKS REVEALED LESS THAN ONE QUART OF FUEL REMAINING.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE LOSS OF ENGINE POWER DUE TO FUEL EXHAUSTION, RESULTING FROM THE IMPROPER IN-FLIGHT PLANNING BY THE PILOT IN COMMAND AND HIS FAILURE TO SELECT A PROPER TOUCHDOWN POINT FOR AN EMERGENCY FORCED LANDING. A FACTOR RELATING TO THE ACCIDENT WAS THE UNEVEN TERRAIN AT THE TOUCHDOWN POINT.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL Phase of Operation: APPROACH - VFR PATTERN - DOWNWIND

Findings 1. (C) FLUID,FUEL - EXHAUSTION 2. (C) IN-FLIGHT PLANNING/DECISION - IMPROPER - PILOT IN COMMAND

Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY -----

Occurrence #3: ROLL OVER Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings 3. (F) TERRAIN CONDITION - ROUGH/UNEVEN

4. (C) PROPER TOUCHDOWN POINT - NOT SELECTED - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Commercial	Age:	61,Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	Helicopter	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medicalw/ waivers/lim	Last FAA Medical Exam:	March 19, 1991
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	401 hours (Total, all aircraft), 224 hours (Total, this make and model), 360 hours (Pilot In Command, all aircraft), 13 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	HILLER	Registration:	N37667
Model/Series:	UH-12C UH-12C	Aircraft Category:	Helicopter
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	765
Landing Gear Type:	Skid	Seats:	3
Date/Type of Last Inspection:	January 25, 1992 Annual	Certified Max Gross Wt.:	2500 lbs
Time Since Last Inspection:	38 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2085 Hrs	Engine Manufacturer:	FRANKLIN
ELT:	Not installed	Engine Model/Series:	6V-335-B
Registered Owner:	WESTCO HELICOPTERS, INC	Rated Power:	210 Horsepower
Operator:	WESTLUND, JACK M.	Operating Certificate(s) Held:	None
Operator Does Business As:	WESTCO HELICOPTERS, INC.	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	NUW ,47 ft msl	Distance from Accident Site:	36 Nautical Miles
Observation Time:	16:55 Local	Direction from Accident Site:	230°
Lowest Cloud Condition:	Scattered / 2000 ft AGL	Visibility	7 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	22°C / 19°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	None
Destination:	(WA13)	Type of Clearance:	None
Departure Time:	14:45 Local	Type of Airspace:	Class G

Airport Information

Airport:	Runway Surface Type:	
Airport Elevation:	Runway Surface Condition:	
Runway Used: 0	IFR Approach: None	
Runway Length/Width:	VFR Approach/Landing: Forced landing	

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	48.559108,-121.77066(est)

Administrative Information

Investigator In Charge (IIC):	Mangum, Prentiss		
Additional Participating Persons:	BOB ARCHIBALD; RENTON , WA		
Original Publish Date:	August 31, 1993		
Last Revision Date:			
Investigation Class:	<u>Class</u>		
Note:			
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=42886		

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