



National Transportation Safety Board Aviation Accident Data Summary

Location:	KAMUELA, HI	Accident Number:	LAX96LA104
Date & Time:	02/01/1996, 1240 HST	Registration:	N90194
Aircraft:	Bell 206BIII	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Positioning		

Analysis

The pilot experienced two engine chip warning light illuminations while conducting local air tours. After the second warning light illumination, the operator instructed the pilot to ferry the helicopter to the company's maintenance base. The engine sustained a total loss of power while en route to the maintenance facility and the pilot executed an emergency landing. The helicopter sustained a hard landing. The engine examination disclosed that the nose case (No. 1) bearing failed and the engine sustained a catastrophic failure due to oil starvation.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: failure of the nose case (No.1) bearing resulting in oil starvation.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF
Phase of Operation: CRUISE

Findings

1. (C) ENGINE ASSEMBLY,BEARING - FAILURE,TOTAL
2. (C) FLUID,OIL - STARVATION

Occurrence #2: FORCED LANDING
Phase of Operation: EMERGENCY DESCENT/LANDING

Findings

3. AUTOROTATION - PERFORMED - PILOT IN COMMAND

Occurrence #3: HARD LANDING
Phase of Operation: EMERGENCY DESCENT/LANDING

Pilot Information

Certificate:	Commercial	Age:	59
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane; Helicopter
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	None
Flight Time:	9984 hours (Total, all aircraft), 5714 hours (Total, this make and model), 9230 hours (Pilot In Command, all aircraft), 183 hours (Last 90 days, all aircraft), 52 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Bell	Registration:	N90194
Model/Series:	206BIII 206BIII	Engines:	1 Turbo Shaft
Operator:	KENAI AIR HAWAII, INC.	Engine Manufacturer:	Allison
Operating Certificate(s) Held:	On-demand Air Taxi (135)	Engine Model/Series:	250C20
Flight Conducted Under:	Part 91: General Aviation - Positioning		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	8 knots / , 225°
Temperature:	27° C	Visibility	15 Miles
Precipitation and Obscuration:			
Departure Point:	HILO, HI (ITO)	Destination:	(MUE)

Airport Information

Airport:	WAIMEA-KOHALA (MUE)	Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC): A. D LLORENTE Adopted Date: 09/24/1996

Investigation Docket: NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov, or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.

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