


 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: LAX98LA058		Aircraft Registration Number: N5058L	
		Occurrence Date: 12/20/1997		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place TRUCKEE		State CA	Zip Code 96161	Local Time 1015	Time Zone PST
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility: 3		Direction From Airport: 350	
Aircraft Information Summary					
Aircraft Manufacturer Bellanca		Model/Series 8KCAB		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:					
<p>On December 20, 1997, at 1015 hours Pacific standard time, a Bellanca 8KCAB, N5058L, was substantially damaged when it nosed over during a forced landing on a snow covered field 3 statute miles northeast of Truckee, California. The solo commercial pilot was not injured. The pilot stated that the engine started to run rough during the climb and then stopped suddenly with the propeller in a horizontal position. Several restart attempts were unsuccessful. The flight departed the Truckee-Tahoe Airport on a personal flight to Smith Ranch, Marinwood, California, and no flight plan was filed. Visual meteorological conditions prevailed at the time.</p> <p>The Federal Aviation Administration (FAA) inspector who investigated the accident site stated that he observed a considerable amount of engine oil on the underside of the engine, the belly of the aircraft, and the engine compartment firewall. He also stated that after righting the aircraft it was noted that the engine could not be rotated in either direction due to an apparent internal mechanical restriction.</p> <p>A teardown inspection of the engine was performed at the owner's maintenance base. The FAA inspectors who witnessed the inspection reported that the number 3 rod assembly had experienced a progressive failure. (See attached FAA Report of Engine Inspection.)</p>					
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Landing Facility/Approach Information						
Airport Name TRUCKEE-TAHOE		Airport ID: TRK	Airport Elevation Ft. MSL	Runway Used 0	Runway Length	Runway Width
Runway Surface Type:						
Runway Surface Condition:						
Type Instrument Approach: NONE						
VFR Approach/Landing: Forced Landing						
Aircraft Information						
Aircraft Manufacturer Bellanca		Model/Series 8KCAB		Serial Number 558-79		
Airworthiness Certificate(s): Acrobatic; Normal						
Landing Gear Type: Tailwheel						
Homebuilt Aircraft? No	Number of Seats: 2	Certified Max Gross Wt. 1800 LBS		Number of Engines: 1		
Engine Type: Reciprocating		Engine Manufacturer: Lycoming		Model/Series: AEIO-360-HIA		Rated Power: 180 HP
- Aircraft Inspection Information						
Type of Last Inspection Annual		Date of Last Inspection 07/1997	Time Since Last Inspection 58 Hours		Airframe Total Time 4306 Hours	
- Emergency Locator Transmitter (ELT) Information						
ELT Installed? Yes		ELT Operated? No		ELT Aided in Locating Accident Site?		
Owner/Operator Information						
Registered Aircraft Owner JOHN C. NICKEL		Street Address 5335 COLLEGE AVE, SUITE 5				
		City OAKLAND		State CA	Zip Code 94618	
Operator of Aircraft Same as Reg'd Aircraft Owner		Street Address Same as Reg'd Aircraft Owner				
		City		State	Zip Code	
Operator Does Business As:				Operator Designator Code:		
- Type of U.S. Certificate(s) Held: None						
Air Carrier Operating Certificate(s):						
Operating Certificate:			Operator Certificate:			
Regulation Flight Conducted Under: Part 91: General Aviation						
Type of Flight Operation Conducted: Personal						

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First Pilot Information												
Name On File		City On File	State On File	Date of Birth On File	Age 44							
Sex: M	Seat Occupied: Front	Principal Profession: Business		Certificate Number: On File								
Certificate(s): Commercial												
Airplane Rating(s): Single-engine Land												
Rotorcraft/Glider/LTA:												
Instrument Rating(s): Airplane												
Instructor Rating(s): None												
Type Rating/Endorsement for Accident/Incident Aircraft?				Current Biennial Flight Review?								
Medical Cert.: Class 2		Medical Cert. Status: Valid Medical--no waivers/lim.		Date of Last Medical Exam: 05/1996								
- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument Actual		Instrument Simulated		Rotorcraft	Glider	Lighter Than Air
Total Time	601	107	601		40	9	79					
Pilot In Command(PIC)	560	105	560		39	5	79					
Instructor												
Last 90 Days	24	24	24									
Last 30 Days	4	4	4									
Last 24 Hours	2	2	2									
Seatbelt Used? Yes		Shoulder Harness Used? Yes			Toxicology Performed?			Second Pilot? No				
Flight Plan/Itinerary												
Type of Flight Plan Filed: None												
Departure Point		State			Airport Identifier		Departure Time		Time Zone			
Same as Accident/Incident Location					TRK		1010		PST			
Destination		State			Airport Identifier							
MARINWOOD		CA			CA35							
Type of Clearance: None												
Type of Airspace: Class G												
Weather Information												
Source of Briefing: No record of briefing												
Method of Briefing:												

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Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
	0000		0 Ft. MSL	0 NM	0 Deg. Mag.
Sky/Lowest Cloud Condition: Clear			0 Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None		0 Ft. AGL	Visibility: 50	SM	Altimeter: "Hg
Temperature: -7 °C	Dew Point:	°C	Wind Direction:		Density Altitude: 5100 Ft.
Wind Speed: Calm	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): 0 Ft.	Visibility (RVV) 0	SM	Intensity of Precipitation: Unknown		
Restrictions to Visibility: None					
Type of Precipitation: None					

Accident Information		
Aircraft Damage: Substantial	Aircraft Fire: None	Aircraft Explosion: None

Classification: U.S. Registered/U.S. Soil					
- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				1	1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -				1	1
Other Ground	0	0	0		0
- GRAND TOTAL -	0	0	0	1	1

National Transportation Safety Board

FACTUAL REPORT

AVIATION



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Occurrence Date: 12/20/1997

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

WELDON T. ARMSTRONG

Additional Persons Participating in This Accident/Incident Investigation:

ADRIANE GRIEVE
WP-RNO-FSDO
RENO, NV 89502