



# Aviation Investigation Final Report

<b>Location:</b>	HUNTER CREEK, Alaska	<b>Accident Number:</b>	ANC88LA054
<b>Date &amp; Time:</b>	May 6, 1988, 10:00 Local	<b>Registration:</b>	N22901
<b>Aircraft:</b>	CESSNA 185F	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 Minor, 1 None
<b>Flight Conducted Under:</b>	Part 135: Air taxi & commuter - Non-scheduled		

## Analysis

AFTER LANDING AT A MINING CAMP AIRSTRIP, THE RIGHT LANDING GEAR FAILED CAUSING THE AIRCRAFT TO GROUND LOOP. EXAMINATION OF THE BROKEN GEAR PART REVEALED THE ORIGINAL FRACTURE TO BE A FATIGUE FRACTURE. THE INITIAL CRACK IN THE GEAR LEG RAN PARALLEL TO THE GEAR BOLT HOLE. THE ACFT WAS INSPECTED 80 HRS BEFORE THE FAILURE.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

### Findings

Occurrence #1: MAIN GEAR COLLAPSED  
Phase of Operation: LANDING - ROLL

#### Findings

1. (C) LANDING GEAR, AXLE - FAILURE, TOTAL
2. (C) LANDING GEAR, AXLE - FATIGUE
3. (F) TERRAIN CONDITION - LOOSE GRAVEL/SANDY
4. (F) TERRAIN CONDITION - ROUGH/UNEVEN
5. GROUND LOOP/SWERVE - UNCONTROLLED
6. (C) MAINTENANCE, 100-HOUR INSPECTION - INADEQUATE - COMPANY MAINTENANCE PERSONNEL



## Factual Information

### Pilot Information

<b>Certificate:</b>	Airline transport; Commercial	<b>Age:</b>	45, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	June 5, 1987
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	17400 hours (Total, all aircraft), 4200 hours (Total, this make and model), 17245 hours (Pilot In Command, all aircraft), 155 hours (Last 90 days, all aircraft), 90 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N22901
<b>Model/Series:</b>	185F 185F	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	18503077
<b>Landing Gear Type:</b>	Tailwheel; Ski/wheel	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	August 3, 1987 100 hour	<b>Certified Max Gross Wt.:</b>	3350 lbs
<b>Time Since Last Inspection:</b>	80 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3800 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-520
<b>Registered Owner:</b>	BILL LENTSCH	<b>Rated Power:</b>	300 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	On-demand air taxi (135)
<b>Operator Does Business As:</b>	TAMARACK AIR, LTD	<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Unknown	<b>Visibility</b>	50 miles
<b>Lowest Ceiling:</b>	Overcast / 5000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	0°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	10°C / -1°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	FAIRBANKS , AK	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	09:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	MINING CAMP AIRSTRIP	<b>Runway Surface Type:</b>	Gravel
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	23	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	1000 ft / 75 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Minor	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Minor, 1 None	<b>Latitude, Longitude:</b>	

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Michelangelo, James
<b>Additional Participating Persons:</b>	ROBERT SHEPHERD; FAIRBANKS , AK
<b>Original Publish Date:</b>	April 25, 1989
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=5004">https://data.ntsb.gov/Docket?ProjectID=5004</a>

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