



National Transportation Safety Board Aviation Accident Data Summary

Location:	MEDFORD, OR	Accident Number:	SEA83LA049
Date & Time:	02/01/1983, 1700 PST	Registration:	N4784Q
Aircraft:	CESSNA A188B	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

THE AIRCRAFT COLLIDED WITH A TREE DURING AERIAL APPLICATION OPERATIONS. THE PILOT STATED THAT THERE WAS A POWERLINE AT ONE END OF THE ORCHARD HE WAS SPRAYING AND A ROW OF LEAFLESS TREES AT THE OTHER. ONE OF THE TALLER BOUNDARY TREES WAS OVERLOOKED BY THE PILOT AND THE ACFT HIT IT. THE COLLISION PUNCHED A HOLE IN THE OIL COOLER AND FORCED THE PILOT TO MAKE AN OFF AIRPORT LANDING.

Probable Cause

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

Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings

1. (F) OBJECT - TREE(S)
 2. (C) VISUAL LOOKOUT - INADEQUATE - PILOT IN COMMAND
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Occurrence #2: FORCED LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Pilot Information

Certificate:	Commercial	Age:	24
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):		Instructor Rating(s):	
Flight Time:	1500 hours (Total, this make and model), 2057 hours (Pilot In Command, all aircraft), 300 hours (Last 90 days, all aircraft), 70 hours (Last 30 days, all aircraft), 10 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N4784Q
Model/Series:	A188B A188B	Engines:	1 Reciprocating
Operator:	PACIFIC AIR RESEARCH, INC.	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	IO-520-D
Flight Conducted Under:	Part 137: Agricultural		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MFR, 1330 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	Calm / ,
Temperature:	9°C	Visibility	20 Miles
Precipitation and Obscuration:			
Departure Point:	Destination:		

Airport Information

Airport:	JACKSON COUNTY (MFR)	Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	H. D DAILY	Adopted Date:	
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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