



Aviation Investigation Final Report

Location:	TOMAHAWK, Wisconsin	Accident Number:	CHI93LA258
Date & Time:	July 15, 1993, 20:45 Local	Registration:	N9810M
Aircraft:	MAULE M4	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT REPORTED HE LANDED THE AIRPLANE HARD AND IT BOUNCED. HE ELECTED TO ABORT THE LANDING AND ATTEMPTED TO TAKEOFF. THE AIRPLANE SUBSEQUENTLY STRUCK TREE TOPS BEYOND THE END OF THE RUNWAY, AND THE PILOT MADE A HARD, EMERGENCY LANDING IN A FIELD.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the pilot's improper recovery from a bounced landing.

Findings

Occurrence #1: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings
1. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: LANDING - ABORTED

Findings
2. OBJECT - TREE(S)

Occurrence #3: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Findings

3. OBJECT - TREE(S)

Occurrence #4: FORCED LANDING
Phase of Operation: TAKEOFF - INITIAL CLIMB

Factual Information

On July 15, 1993, about 2045 central daylight time, a Maule M4 airplane, N9810M, sustained substantial damage while landing at Tomahawk Airport, Tomahawk, Wisconsin. The solo private pilot was not injured. The local pleasure flight operated without flight plan in visual meteorological conditions under 14 CFR Part 91.

The pilot reported he landed hard and bounced three or four times. He applied power and attempted to go around for another landing. During the attempted go around the airplane struck trees, and the pilot elected to make an emergency landing in an adjacent field.

Pilot Information

Certificate:	Private	Age:	50, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	September 18, 1991
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	151 hours (Total, all aircraft), 50 hours (Total, this make and model), 98 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	MAULE	Registration:	N9810M
Model/Series:	M4 M4	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	1020C
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	July 14, 1993 Annual	Certified Max Gross Wt.:	2100 lbs
Time Since Last Inspection:	2 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	5045 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:		Engine Model/Series:	IO-360A
Registered Owner:	THOMAS E. BETKA	Rated Power:	210 Horsepower
Operator:	THOMAS E. BETKA	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	15 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:	0°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	21°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(WI46)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	19:30 Local	Type of Airspace:	

Airport Information

Airport:	TOMAHAWK REGIONAL WI46	Runway Surface Type:	Grass/turf
Airport Elevation:	1486 ft msl	Runway Surface Condition:	Vegetation
Runway Used:	0	IFR Approach:	None
Runway Length/Width:	3000 ft / 90 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	45.469184,-89.719322(est)

Administrative Information

Investigator In Charge (IIC):	La belle, James
Additional Participating Persons:	CHARLES A EBERT; MILWAUKEE , WI
Original Publish Date:	August 17, 1994
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=9240

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