



National Transportation Safety Board Aviation Accident Data Summary

Location:	CHESANING, MI	Accident Number:	CHI84LA036
Date & Time:	11/03/1983, 1500 EST	Registration:	N597HJ
Aircraft:	JORDAN ACEY DEUCY	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THIS WAS THE FIRST FLIGHT OF THE HOMEBUILT. SHORTLY AFTER TAKEOFF THE ENG QUIT DUE TO INADEQUATE GROUNDING. THE PLT RETURNED TO THE FIELD & MADE A SMOOTH LANDING. AT THE END OF THE ROLL OUT THE ANCHOR PLATE FOR THE LANDING GEAR TRUSS FAILED CAUSING THE LEFT GEAR TO COLLAPSE. THE PLT STATED THAT THE 3/4 INCH X 0.049, 4130 SQUARE TUBING USED FOR THE ANCHOR PLATE WAS TOO LIGHT TO CARRY THE ACFT LOADING & THAT IT MAY HAVE BEEN PREVIOUSLY CRACKED FROM HIGH SPEED TAXI TESTS.

Probable Cause

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

Findings

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

Findings

1. (C) IGNITION SYSTEM - INADEQUATE

Occurrence #2: FORCED LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Occurrence #3: MAIN GEAR COLLAPSED
Phase of Operation: LANDING - ROLL

Findings

2. (C) LANDING GEAR,MAIN GEAR ATTACHMENT - PREVIOUS DAMAGE
3. (C) LANDING GEAR,MAIN GEAR ATTACHMENT - INADEQUATE
4. LANDING GEAR,MAIN GEAR ATTACHMENT - FAILURE,TOTAL

Pilot Information

Certificate:	Private	Age:	59
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):		Instructor Rating(s):	
Flight Time:	200 hours (Total, all aircraft), 157 hours (Pilot In Command, all aircraft), 3 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	JORDAN	Registration:	N597HJ
Model/Series:	ACEY DEUCY ACEY DEUCY	Engines:	1 Reciprocating
Operator:	J. HENRY JORDAN	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-290
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MBS, 667 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 2000 ft agl	Wind Speed/Gusts, Direction:	15 knots / , 350°
Temperature:	2°C	Visibility	15 Miles
Precipitation and Obscuration:			
Departure Point:		Destination:	

Airport Information

Airport:	CHESANING (50G)	Runway Surface Type:	Grass/turf
Runway Used:	36	Runway Surface Condition:	Dry
Runway Length/Width:	2360 ft / 300 ft		

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): PAMELA S KLECKNER

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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