



National Transportation Safety Board Aviation Accident Data Summary

Location:	KANSAS CITY, MO	Accident Number:	MKC85LA081
Date & Time:	04/01/1985, 1530 CST	Registration:	N11HE
Aircraft:	EHLERS STARDUSTER ESA300	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PLT STATED THAT DURING THE LANDING ROLL HE NOTICED AN ACFT LANDING BEHIND HIS AND THEREFORE VEERED HIS ACFT TO THE RIGHT OF RWY 36 TRAVELING ABOUT 45 MPH. DURING THE MANEUVER THE PLT FELT THE RIGHT GEAR GIVE AND THE ACFT CONSEQUENTLY GROUND LOOPED TWICE TO THE RIGHT RESULTING IN THE COLLAPSE OF THE RIGHT WING AND GEAR. THE RIGHT STRUT ATTACHMENT BOLT WAS FOUND ON RWY 36 AND SHOWED SIGNS OF SEPARATION DUE TO TENSION LOADS.

Probable Cause

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

Findings

Occurrence #1: ABRUPT MANEUVER
Phase of Operation: LANDING - ROLL

Findings

1. (F) PROPER ALIGNMENT - NOT MAINTAINED - PILOT IN COMMAND
2. LANDING GEAR,MAIN GEAR ATTACHMENT - OVERLOAD
3. (C) MANEUVER - EXCESSIVE - PILOT IN COMMAND

Occurrence #2: MAIN GEAR COLLAPSED
Phase of Operation: LANDING - ROLL

Findings

4. (F) GROUND LOOP/SWERVE - UNCONTROLLED - PILOT IN COMMAND
5. LANDING GEAR,MAIN GEAR ATTACHMENT - FAILURE,TOTAL
6. (C) DESIGN STRESS LIMITS OF AIRCRAFT - EXCEEDED - PILOT IN COMMAND

Pilot Information

Certificate:	Private	Age:	50
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	2700 hours (Total, all aircraft), 500 hours (Total, this make and model), 2700 hours (Pilot In Command, all aircraft), 35 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	EHLERS	Registration:	N11HE
Model/Series:	STARDUSTER ESA300 STARDUSTER	Engines:	1 Reciprocating
Operator:	SEAN MAC GREGOR	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-435-1
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:	MKC, 758 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	10 knots / 15 knots, 340°
Temperature:	11 °C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	DES MOINES, IA (DSM)	Destination:	KANSAS CITY, MO (MKC)

Airport Information

Airport:	KANSAS CITY DOWNTOWN (MKC)	Runway Surface Type:	Asphalt
Runway Used:	36	Runway Surface Condition:	Dry
Runway Length/Width:	7000 ft / 150 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): CLINT THORPE 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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