



Aviation Investigation Factual Report

Location:	Homedale, Idaho	Accident Number:	SEA03LA168
Date & Time:	August 12, 2003, 14:30 Local	Registration:	N222JN
Aircraft:	Nolen Kitfox Lite Squared	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Factual Information

On August 12, 2003, approximately 1430 mountain daylight time, an experimental Nolen Kitfox Lite Squared, N222JN, impacted the terrain near the southeast end of runway 13 at Homedale Municipal Airport, Homedale, Idaho. The commercial pilot, who was the sole occupant, was not injured, but the aircraft, which is owned and operated by the pilot, sustained substantial damage. The local 14 CFR Part 91 personal pleasure flight was being operated in visual meteorological conditions. No flight plan had been filed. There was no ELT activation.

According to the pilot/builder, the aircraft had received its temporary experimental airworthiness certificate on the morning of the accident, and this was to be its first flight. When the temporary certificate was issued, the FAA inspector who issued it told the pilot not to take off on runway 31 until the required 40 hours had been flown off, since to do so might take the aircraft over the town of Homedale, a congested area. At the time the pilot made the decision to take off on runway 13, there was a left quartering tailwind of about 10 knots, gusting to around 15 knots. Although the pilot was aware he was taking off with a tailwind, he did not want to wait until the wind died down, and since he could not take off to the north because of the FAA restriction, he elected to attempt the southerly departure (runway 13). He said that just after liftoff near the end of the runway, a gust of wind elevated the left wing "...to the point where the tip of the right wing scrapped the runway surface." According to the pilot, during his attempt to recover control of the aircraft, it sank/mushed into the runway surface with sufficient force to result in substantial damage.

According to both the pilot and the FAA inspector who responded to the scene, there was no evidence of any anomalies in the aircraft flight control system or its engine.

During the investigation, it was determined that the pilot had never before flown this make and model aircraft.

Pilot Information

Certificate:	Commercial	Age:	71,Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	None Expired	Last FAA Medical Exam:	June 3, 1989
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	June 3, 1989
Flight Time:	2157 hours (Total, all aircraft), 0 hours (Total, this make and model), 2046 hours (Pilot In Command, all aircraft), 0 hours (Last 90 days, all aircraft), 0 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Nolen	Registration:	N222JN
Model/Series:	Kitfox Lite Squared	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	2120287
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	Condition	Certified Max Gross Wt.:	1200 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Rotax
ELT:	Not installed	Engine Model/Series:	912S
Registered Owner:	Jack R, Nolen	Rated Power:	100 Horsepower
Operator:		Operating Certificate(s) Held:	None

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	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	10 knots / 15 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	250°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	35°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Homedale, ID (S66)	Type of Flight Plan Filed:	None
Destination:	(S66)	Type of Clearance:	None
Departure Time:	14:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	Homedale Municipal S66	Runway Surface Type:	Asphalt
Airport Elevation:	2210 ft msl	Runway Surface Condition:	Dry
Runway Used:	13	IFR Approach:	None
Runway Length/Width:	2900 ft / 50 ft	VFR Approach/Landing:	None

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:	43.610832,-116.918891

Administrative Information

Investigator In Charge (IIC): Anderson, Orrin

Additional Participating Persons: Brent Morrow; Boise FSDO

Report Date: November 26, 2003

Last Revision Date:

Investigation Class: [Class](#)

Note:

Investigation Docket: <https://data.nts.gov/Docket?ProjectID=57693>

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