



National Transportation Safety Board Aviation Accident Preliminary Report

Location:	Hope, AK	Accident Number:	ANC19LA027
Date & Time:	06/11/2019, 2230 AKD	Registration:	N10CJ
Aircraft:	Helio H391	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

On June 11, 2019, about 2230 Alaska daylight time, a Helio H-391B airplane, N10CJ, sustained substantial damage after a loss of control during a precautionary landing following a partial loss of engine power near Trapper Joe Lake about 15 miles southwest of Hope, Alaska. The private pilot and pilot rated passenger received no injuries. The airplane was registered to the pilot and operated under the provisions of Title 14 *Code of Federal Regulations* Part 91 as a visual flight rules personal flight. Day visual meteorological conditions prevailed at the time of the accident, and no flight plan was filed. The local flight originated from McGahan Industrial Airpark (AK73), Nikishka, Alaska, about 2100.

During an interview with the National Transportation Safety Board investigator-in-charge, the pilot reported that he was flying in the left seat and his pilot rated passenger was seated in the right seat. While flying over the abandoned Alaska natural gas pipeline between Sterling, Alaska and Hope, the engine started to surge and run rough, and the engine manifold pressure decreased. He cycled the throttle lever, increased the mixture lever to full rich, and turned on the electric fuel boost pump, but full power was not restored. The pilot rated passenger pulled the carburetor heat lever out (heat on) with no effect on engine performance. The pilot was able to maintain airplane altitude, but engine power was limited, so he searched for a landing location. He located an abandoned airstrip along the pipeline road and performed an approach to land to the north. The pilot stated that during the landing, the airplane drifted to the right, and touched down further than he intended. During the landing roll out, the right wing tip struck vegetation, the airplane veered rapidly to the right, and the empennage and left wing trailing edge impacted trees. Subsequently the airplane sustained substantial damage to the left aileron and left horizontal stabilizer.

The airplane was recovered, and a detailed examination is pending.

The airplane was equipped with a Lycoming GO-435 reciprocating engine.

Aircraft and Owner/Operator Information

Aircraft Make:	Helio	Registration:	N10CJ
Model/Series:	H391 B	Aircraft Category:	Airplane
Amateur Built:	No		
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	PANC, 132 ft msl	Observation Time:	0553 UTC
Distance from Accident Site:	21 Nautical Miles	Temperature/Dew Point:	17° C / 7° C
Lowest Cloud Condition:	Few / 5500 ft agl	Wind Speed/Gusts, Direction:	16 knots / 27 knots, 150°
Lowest Ceiling:	Broken / 25000 ft agl	Visibility:	10 Miles
Altimeter Setting:	29.79 inches Hg	Type of Flight Plan Filed:	None
Departure Point:	Nikishka, AK (AK73)	Destination:	Nikishka, AK (AK73)

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	60.811944, -150.006667 (est)

Administrative Information

Investigator In Charge (IIC):	Noreen O Price
Additional Participating Persons:	David Longan; Federal Aviation Administration; Juneau, AK
Note:	The NTSB did not travel to the scene of this accident.