



Aviation Investigation Preliminary Report

Location:	Oktaha, OK	Incident Number:	ENG24LA028
Date & Time:	July 26, 2024, 10:40 Local	Registration:	N793SF
Aircraft:	Bell 407	Injuries:	
Flight Conducted Under:	Part 135: Air taxi & commuter - Non-scheduled - Air Medical (Unspecified)		

On July 26, 2024, at 10:40 Central Daylight Time, a Survival Flight Bell 407 helicopter, powered by one Rolls-Royce M250-C47B turboshaft engine, experienced an uncontained engine failure while traveling to refuel after dropping off a patient. The engine failure necessitated a forced landing in a field. Shortly after completing a fuel check, the pilot heard a loud boom and saw a bright flash of light out the left side of the helicopter and the helicopter lost engine power and entered an autorotation making a turn to a field to his right. During the descent, the pilot noticed wires running left to right across the flight path and pitched the nose down to avoid the wires. The pilot and the paramedics stated that prior to the failure, there were no abnormal cockpit indications or warning lights. The pilot stated that the power assurance check was completed at the beginning of the shift and that the check was good. The pilot also stated that the oil levels were normal and there were no bypass indications. None of the 3 occupants on board were injured. The helicopter was operated as a Title 14 Code of Federal Regulations (CFR) Part 135 on-demand helicopter air ambulance operation.

Aircraft and Owner/Operator Information

Aircraft Make:	Bell	Registration:	N793SF
Model/Series:	407	Aircraft Category:	Helicopter
Amateur Built:			
Operator:	Viking Aviation LLC	Operating Certificate(s) Held:	On-demand air taxi (135)
Operator Designator Code:	2VKA		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Condition of Light:
Observation Facility, Elevation:	Observation Time:
Distance from Accident Site:	Temperature/Dew Point:
Lowest Cloud Condition:	Wind Speed/Gusts, Direction:
Lowest Ceiling:	Visibility:
Altimeter Setting:	Type of Flight Plan Filed: VFR
Departure Point: Oklahoma City, OK	Destination: Okmulgee, OK

Wreckage and Impact Information

Crew Injuries:	N/A	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:		Aircraft Explosion:	None
Total Injuries:	N/A	Latitude, Longitude:	35.580768,-95.60749

Administrative Information

Investigator In Charge (IIC):	Scarfo, Jean-pierre
Additional Participating Persons:	Nick Shepler; Rolls-Royce; Indianapolis, IN Dave Keenan; FAA Accident Investigations; Washington DC , DC Douglas Wahl; Viking Aviation LLD – Director of Maintenance; Batesville, AR David Guidry; Arrow Aviation; Broussard, LA Cody Johnson; Arrow Aviation; Broussard, LA
Investigation Class:	Class 3
Note:	The NTSB did not travel to the scene of this incident.