



Aviation Investigation Preliminary Report

Location:	Mount Sterling, IL	Accident Number:	CEN24LA013
Date & Time:	October 16, 2023, 13:15 Local	Registration:	N90HM
Aircraft:	Magni M24	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

On October 16, 2023, about 1315 central daylight time, a Magni M24 gyroplane, N90HM, was substantially damaged when it was involved in an accident near Mount Sterling, Illinois. Both the pilot and passenger received minor injuries. The gyroplane was operated as a Title 14 Code of Federal Regulations Part 91 personal flight.

According to preliminary information, the experimental gyroplane was on downwind for runway 36 at the Mount Sterling Municipal Airport (I63), when the engine sustained a total loss power. The pilot did not have sufficient time to attempt an engine restart and performed a forced landing to a flat grass field. During the forced landing, the gyroplane rolled over and sustained substantial damage to the rotor system, left horizontal, and vertical stabilizer. During the recovery of the gyroplane, the smell of automotive fuel was present with soil discoloration around the area of the fuel cap.

The gyroplane was equipped with a Rotax 914 UL reciprocating engine. The gyroplane was retained for further examination.

Aircraft and Owner/Operator Information

Aircraft Make:	Magni	Registration:	N90HM
Model/Series:	M24	Aircraft Category:	Gyroplane
Amateur Built:	Yes		
Operator:	On file	Operating Certificate(s) Held:	None
Operator Designator Code:	N/A		

Meteorological Information and Flight Plan

Conditions at Accident Site:	VMC	Condition of Light:	Day
Observation Facility, Elevation:	KUIN,766 ft msl	Observation Time:	13:54 Local
Distance from Accident Site:	18 Nautical Miles	Temperature/Dew Point:	16°C /6°C
Lowest Cloud Condition:	Few / 3400 ft AGL	Wind Speed/Gusts, Direction:	13 knots / 18 knots, 310°
Lowest Ceiling:		Visibility:	10 miles
Altimeter Setting:	30.11 inches Hg	Type of Flight Plan Filed:	
Departure Point:	Mount Sterling, IL	Destination:	Mount Sterling, IL

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	1 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Minor	Latitude, Longitude:	39.986285,-90.803982 (est)

Administrative Information

Investigator In Charge (IIC):	Finne, Andrew
Additional Participating Persons:	Reynolds, Jess; FAA-FSDO; Springfield, IL
Investigation Class:	Class 3
Note:	The NTSB did not travel to the scene of this accident.