

ACCIDENT

Aircraft Type and Registration:	Ikarus C42 FB100 Bravo, G-IRED	
No & Type of Engines:	1 Rotax 912ULS piston engine	
Year of Manufacture:	2012 (Serial no: 1207-7210)	
Date & Time (UTC):	16 July 2019 at 1735 hrs	
Location:	3 miles west of Popham Airfield, Hampshire	
Type of Flight:	Private	
Persons on Board:	Crew - 1	Passengers - None
Injuries:	Crew - None	Passengers - N/A
Nature of Damage:	Nose landing gear bent rearwards and vertical stabiliser damaged	
Commander's Licence:	Private Pilot's Licence	
Commander's Age:	50 years	
Commander's Flying Experience:	74 hours (of which 64 were on type) Last 90 days - 21 hours Last 28 days - 5 hours	
Information Source:	Aircraft Accident Report Form submitted by the pilot	

Synopsis

The aircraft was being flown back to its base airfield after maintenance. Approximately 16 minutes into the flight, the oil pressure reduced to zero and the engine stopped. The pilot carried out a forced landing in a wheat field and during the landing the aircraft nosed over and came to rest inverted. The pilot was later informed that there was an unspecified problem with one of the engine pushrod tube seals which resulted in an oil loss.

History of the flight

The aircraft was being flown from Clench Common Airfield (near Marlborough) back to its home base at Deanland Airfield after engine maintenance. The pilot carried out a five minute engine run and completed preparations for takeoff during which everything was normal. Approximately 16 minutes after takeoff the pilot observed the engine oil pressure fall to zero on the gauge. The pilot informed ATC of his intention to divert to Popham Airfield. After a further 30 to 45 seconds the engine abruptly stopped, and the pilot carried out a forced landing in a wheat field. During the landing the aircraft nosed over and came to rest inverted as shown in Figure 1. The pilot vacated the upturned aircraft uninjured.



Figure 1
G-IRED accident site

Conclusion

A film of engine oil covered the underside of the fuselage. An initial examination of the engine found there had been a complete loss of engine oil during the short flight. The pilot was later informed that there was an unspecified problem with one of the engine pushrod tube seals, which had resulted in the oil loss.