



Section/division **Accident and Incident Investigations Division**

Form Number: CA 12-57

## LIMITED OCCURRENCE INVESTIGATION REPORT

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| <b>Reference Number</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CA18/2/3/10653                                                       |                 |                                   |                           |                                              |                          |       |
| <b>Classification</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Accident                                                             |                 | <b>Date</b>                       | 3 May 2026                |                                              | <b>Time</b>              | 1045Z |
| <b>Type of Operation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Private (Part 91)                                                    |                 |                                   |                           |                                              |                          |       |
| <b>Location</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                      |                 |                                   |                           |                                              |                          |       |
| Place of Departure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Bona Bona Airfield, North West Province                              |                 |                                   | Place of Intended Landing | Krugersdorp Airport (FAKR), Gauteng Province |                          |       |
| Place of Occurrence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Approximately 40km from Krugersdorp Airport (FAKR), Gauteng Province |                 |                                   |                           |                                              |                          |       |
| GPS Co-ordinates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Latitude                                                             | 26° 10' 36.3" S | Longitude                         | 27° 31' 29.2" E           | Elevation                                    | 5 137ft                  |       |
| <b>Aircraft Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                      |                 |                                   |                           |                                              |                          |       |
| Registration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ZU-FPO                                                               |                 |                                   |                           |                                              |                          |       |
| Make; Model; S/N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sling LSA (Serial Number: 026)                                       |                 |                                   |                           |                                              |                          |       |
| Damage to Aircraft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Substantial                                                          |                 |                                   | Total Aircraft Hours      | 204.2                                        |                          |       |
| <b>Pilot-in-command</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                      |                 |                                   |                           |                                              |                          |       |
| Licence Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | National Pilot Licence (NPL)                                         |                 | Gender                            | Male                      |                                              | Age                      | 58    |
| Licence Valid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Yes                                                                  | Total Hours     | 341.05                            |                           | Total Hours on Type                          | 205.25                   |       |
| Total Hours 30 Days                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3.35                                                                 |                 | Total Flying on Type Past 90 Days | 4.45                      |                                              |                          |       |
| <b>People On-board</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 + 1                                                                | <b>Injuries</b> | 0                                 | <b>Fatalities</b>         | 0                                            | <b>Other (on ground)</b> | 0     |
| <b>What Happened</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                      |                 |                                   |                           |                                              |                          |       |
| <p>On Sunday, 3 May 2026, a pilot and a passenger on-board a Sling Light Sport Aircraft (LSA) registered ZU-FPO took off on a private flight from Bona Bona Airfield in North West province to Krugersdorp Airport (FAKR) in Gauteng province. The flight was conducted under visual meteorological conditions (VMC) by day and under the provisions of Part 94 of the Civil Aviation Regulations (CAR) 2011, as amended.</p> <p>The pilot reported that he did not identify anomalies during the pre-flight inspection of the aircraft. The aircraft had 110 litres of fuel in the tanks before take-off. The pilot and the passenger (his wife) took off at approximately 0955Z to FAKR. Whilst flying over Carletonville in Gauteng province, the pilot observed a decrease in engine oil pressure. Within 2 minutes, the pressure reduced to zero, followed by loss of engine power. At this time, the aircraft was flying over Krugersdorp. The pilot then elected to execute a forced landing after identifying a field. The pilot stated that the engine was still running until shortly before the forced landing. The aircraft sustained substantial damage to the lower cowling, nose gear, main gear, both wings, nose section, propeller and fuselage during the forced landing. The pilot and the passenger were not injured.</p> |                                                                      |                 |                                   |                           |                                              |                          |       |



**Figure 1:** The aircraft at the accident site. (Source: Pilot)



**Figure 2:** The spilled oil on the aircraft. (Source: Pilot)

An approved person (AP) conducted a post-accident examination of the aircraft which revealed that the oil was pumped out of the engine either due to a dislodged oil hose or a leak in the oil cooler hose, and the engine eventually ceased to operate. It was not possible to establish if the hose clamp had become loose, or if the oil cooler hose ripped off during the forced landing.

The installation of the new clamp was conducted in accordance with the requirements stated in the Jabiru 3300 Aircraft Engine Document No. JEM3302-9. The new clamp was of a similar design to

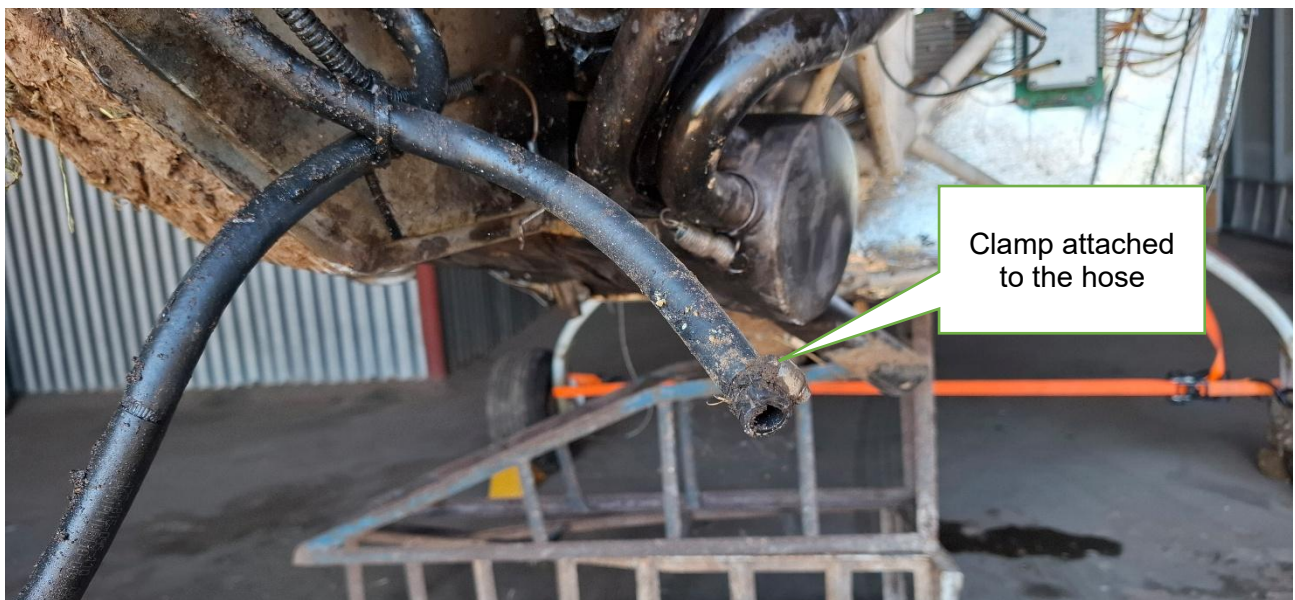


the one used previously in the ZU-FPO. The other hoses in the engine were still secured tightly, and the oil dip stick was in place. Oil flows from the engine via the oil pump and through the oil filter to the oil cooler. The affected hose was running from the filter to the oil cooler.

There were no Service Bulletins (SB) or Airworthiness Directives (AD) pertaining to the installation of a Jabiru engine in Sling LSA aircraft.



**Figure 3:** Fuel drained from the aircraft post-accident. (Source: Pilot)



**Figure 4:** The inlet hose into the cooler hose that loosened. (Source: Pilot)



**Figure 5:** The affected clamp still attached to the hose.

## Findings

### Pilot

1. The pilot had a National Pilot Licence (NPL) that was initially issued by the Regulator (SACAA) on 18 December 2007. The NPL was renewed on 26 February 2026 with an expiry date of 4 February 2028.

2. The pilot had a Class 4 aviation medical certificate that was issued on 9 February 2026 with an expiry date of 28 February 2028.
3. The pilot had a total of 341.05 flying hours of which 205.25 hours were accumulated on the aircraft type. The aircraft type was endorsed in his licence.

#### Aircraft

4. The aircraft had an Authority-to-Fly (ATF) Certificate that was initially issued on 22 September 2019. The ATF was renewed on 12 September 2025 with an expiry date of 30 September 2026.
5. The aircraft Certificate of Registration (C of R) was issued to the present owner on 2 November 2011.
6. The aircraft's last annual inspection was conducted on 29 August 2025 at 193.4 airframe hours after which a Certificate of Release to Service (CRS) was issued with an expiry date of 28 August 2026 or at 293.4 airframe hours, whichever comes first.
7. Maintenance of the aircraft was conducted by an approved person (AP) who had a valid AP Certificate that was issued by the Regulator on 2 March 2025 with an expiry date of 1 March 2027. The aircraft was endorsed in the AP's operational specifications.
8. The aircraft had sufficient fuel for the flight.
9. During flight, the engine oil hose dislodged from the engine feed connection, resulting in a loss of oil and the subsequent low oil pressure which led to a total engine failure.

#### Environment

10. Weather was not a contributory factor to this accident.

#### **Probable Cause(s)**

Unsuccessful forced landing following an in-flight low engine oil pressure triggered by a loss of engine oil due to a dislodged oil hose. This resulted in oil starvation and the subsequent engine cessation.

#### **Contributing Factor(s)**

Disconnected oil hose resulted in a loss of engine oil.

#### **Safety Action(s)**

None.

#### **Safety Message and/or Safety Recommendation/s**

None.

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| <p><b>About this Report</b></p> <p><i>The decision to conduct a limited investigation is based on factors including whether the cause is known and the evidence supporting the cause is clear, the level of safety benefit likely to be obtained from an investigation and that will determine the scope of an investigation. For this occurrence, a limited investigation has been conducted, and the Accident and Incident Investigations Division (AIID) has relied on the information submitted by the affected person/s and organisation/s to compile this limited report. The report has been compiled using information supplied in the initial notification, as well as from follow-up desk top enquiries to bring awareness of potential safety issues to the industry in respect of this occurrence, as well as possible safety action/s that the industry might want to consider in preventing a recurrence of a similar occurrence.</i></p> <p><i>All times given in this report are Co-ordinated Universal Time (UTC) and will be denoted by (Z). South African Standard Time is UTC plus 2 hours.</i></p> |
| <p><b>Purpose</b></p> <p><i>In terms of Regulation 12.03.1 of the Civil Aviation Regulations (CAR) 2011 and ICAO Annex 13, this report was compiled in the interest of the promotion of aviation safety and the reduction of the risk of aviation accidents or incidents and not to apportion blame or liability.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p><b>Disclaimer</b></p> <p><i>This report is produced without prejudice to the rights of the AIID, which are reserved.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**This report is issued by:**

**Accident and Incident Investigations Division  
South African Civil Aviation Authority  
Republic of South Africa**