

Subject:

**Inspection and modification of oil hose attachment.**

Date:

16/09/2024

Approved by:

Ing. Vladimír Pekár, Head of Design Organisation

Compliance Information:

**Mandatory**

~~Recommended~~

~~Optional~~

~~Informational~~

Affected Models/ Serial Numbers:

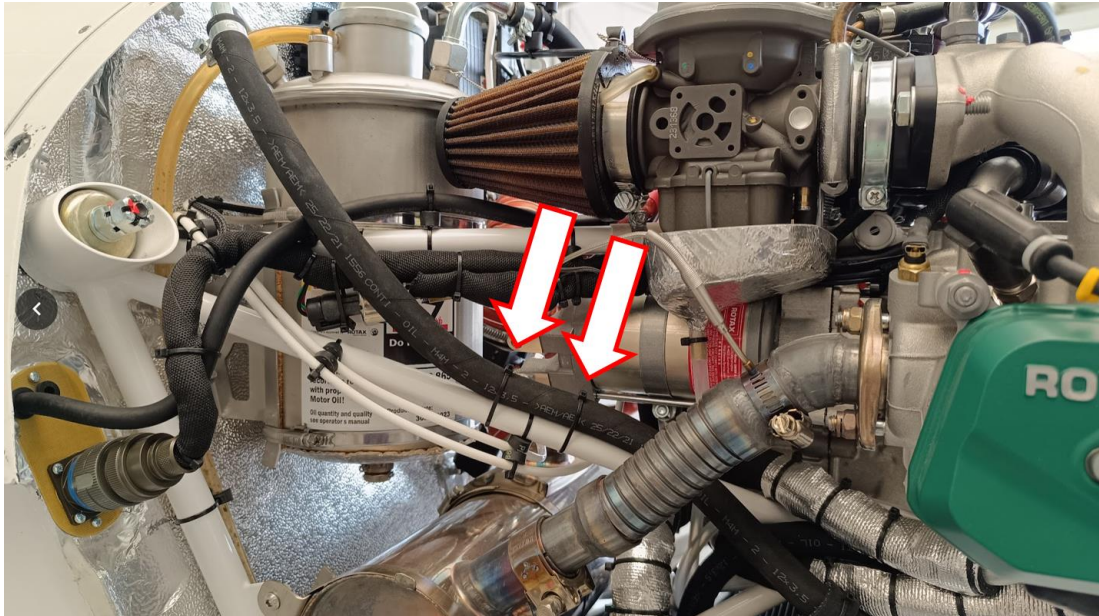
All SHARK types and models.

Reason/Purpose:

The purpose of this service bulletin is to address a potential safety issue concerning the current attachment of the oil hose (see figure below) using two plastic zip ties. The deterioration of these zip ties can result in failure, allowing the oil hose to come into contact with the exhaust tube. This could potentially cause an oil leak, posing a safety hazard.

The condition and effectiveness of the zip ties must be checked **before the next flight of the aircraft** and resolved during the next 100-hour inspection at the latest.

Description of Issue/Modification:



The oil hose is currently secured with two plastic zip ties. If the zip ties fail, the unsecured oil hose could shift and contact the nearby exhaust tube, potentially leading to a rupture or leak due to high temperatures.

To mitigate this risk, the hose will be repositioned so it leads behind the middle engine mount tube.

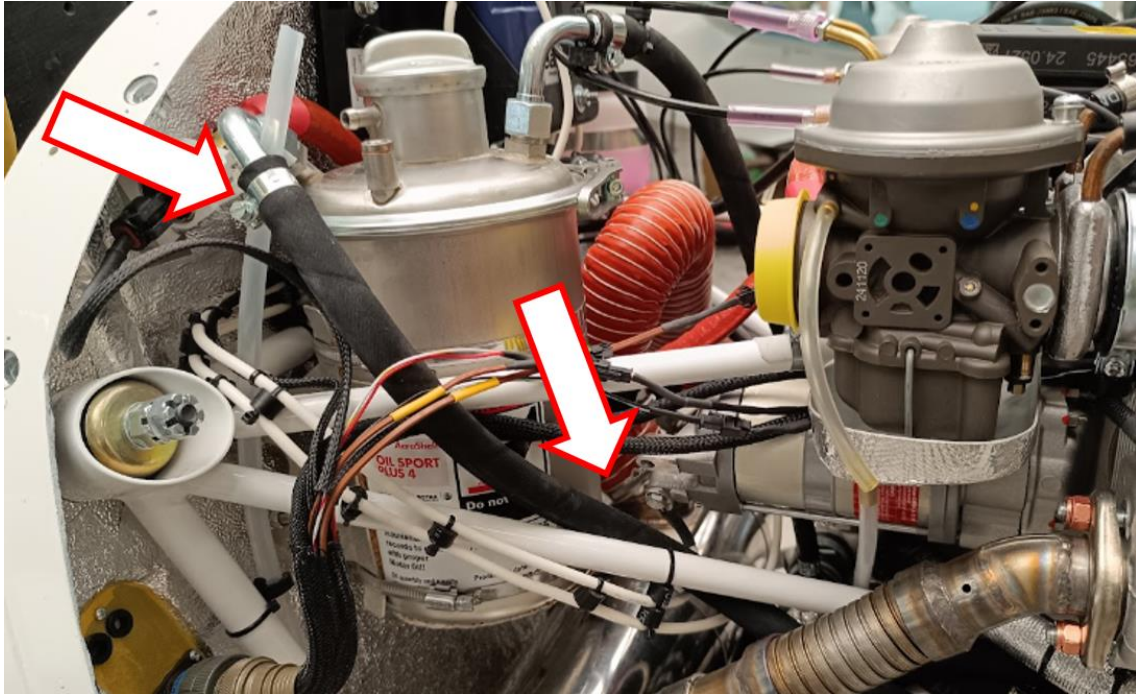
Instructions:

**1. Immediate Action (Pre-Flight Check):**

- Inspect the oil hose attachment in the engine compartment, verify the condition of the plastic zip ties.
- If any zip ties are found to be deteriorating, frayed, or broken, replace them with new plastic zip ties as a temporary fix.
- Ensure the oil hose is not in contact with the exhaust tube.
- If contact is observed, do not operate the aircraft until the issue is resolved.

## 2. Next 100-Hour Inspection (Modification)

- Remove the existing plastic zip ties.
- Disconnect the hose from the oil tank by loosening the screw on the hose clamp and pulling off the metal tube.
- Seal the hose with a suitable plug or cap to prevent oil from spilling.
- Route the hose behind the middle engine mount tube as shown in the next figure:



- Secure the oil hose using 2 zip ties to the middle engine mount tube, ensuring that the zip ties do not compress the hose.
- Verify that the oil hose is securely fastened and positioned away from the exhaust tube or any sharp edges.

## 3. Post-Modification Check:

- After installation, ensure the zip ties are tightly secured.



- Confirm the oil hose is in a safe position, with no risk of contact with the exhaust tube or sharp edges.

Parts Required: NIL

Material Information:

- 2x zip ties at least 12 cm long
- Screw driver
- Suitable hose plug or cap

Weight and Balance Information: NIL

Effectivity:

This bulletin is effective immediately.