

## Replace the breather

### Does this solve the problem?

- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**  
**IN THE NACELLE:**

Ensure that the breather for the gearbox is not saturated with oil. A clogged gear breather will cause the pressure inside the gearbox to deviate from atmospheric; when this happens the sight glass sensor is affected as well as the seals.

Replace the breather if necessary.

A new type breather is available that is much less susceptible to oil saturation and clogging.

CIM [1855](#)



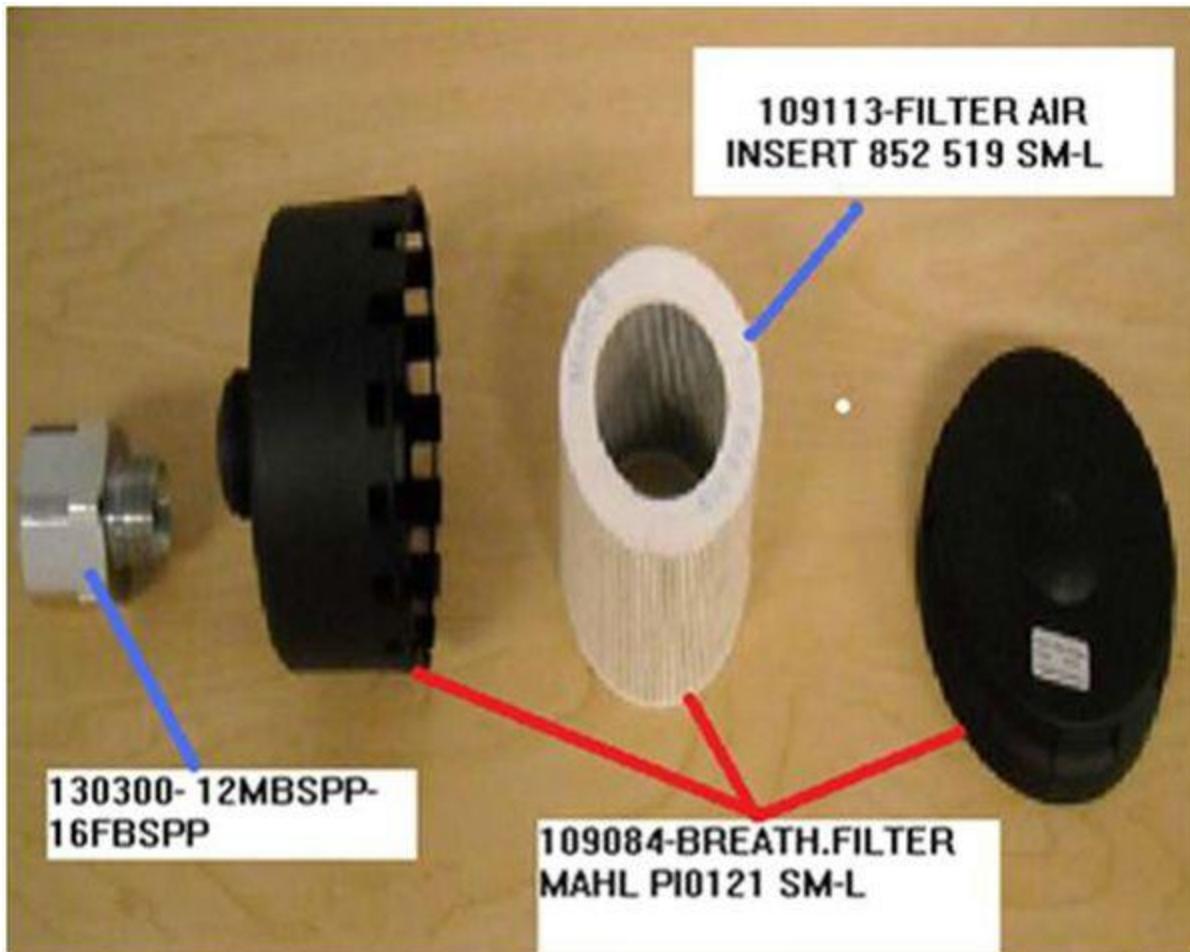
New type Breather:



**Part number for air filter unit:**

109113-FILTER AIR INSERT 852 519 SM-L

**Part number details for whole breather unit:**



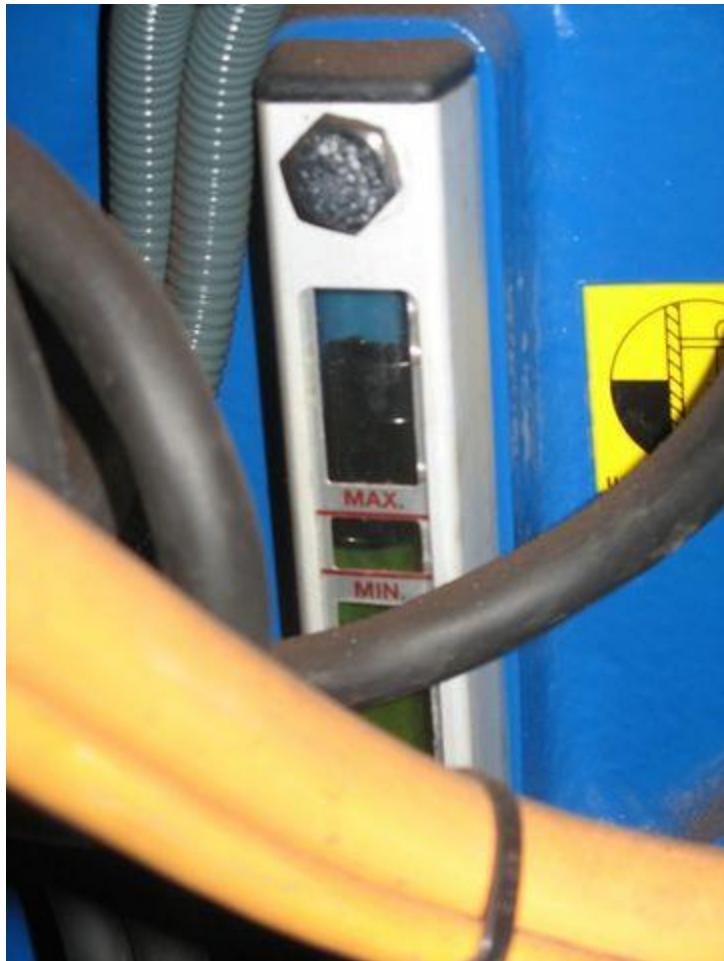
**Replace the defective level switch**

**Does this solve the problem?**

- 1] Yes
- 2] No
- 3] I don't know

• **Explanation  
IN THE NACELLE:**

- The gear oil level is to be checked as shown below; the correct level should be in between the minimum and maximum mark in the glass indicator.
- If the oil level is low, then check for any oil leak in the gear box and cooling system.
- Oil level should be checked while the turbine is stopped.



Here the indicator shows low oil in the gearbox.

Here we need to add approx. 30 liters of gear oil in the gearbox to maintain the correct level.

**Low oil level in the gear box:**



**NOTE:** Don't maintain the oil level above the MAX mark in the glass indicator,

Over filling the gear will cause leaks from the seals.

If the oil level is ok check gear box breather.

**Part number for Level Switch:**

60099043 - LEVEL SWITCH FSK-176-2.X/O/-1 (HANSEN & JAKE)

60076917 - LEVEL SWICHT FSK-254-2.4/O/-1 (WINERGY& FLENDER)

**Check the electrical connection**

**Does this solve the problem?**

1] Yes

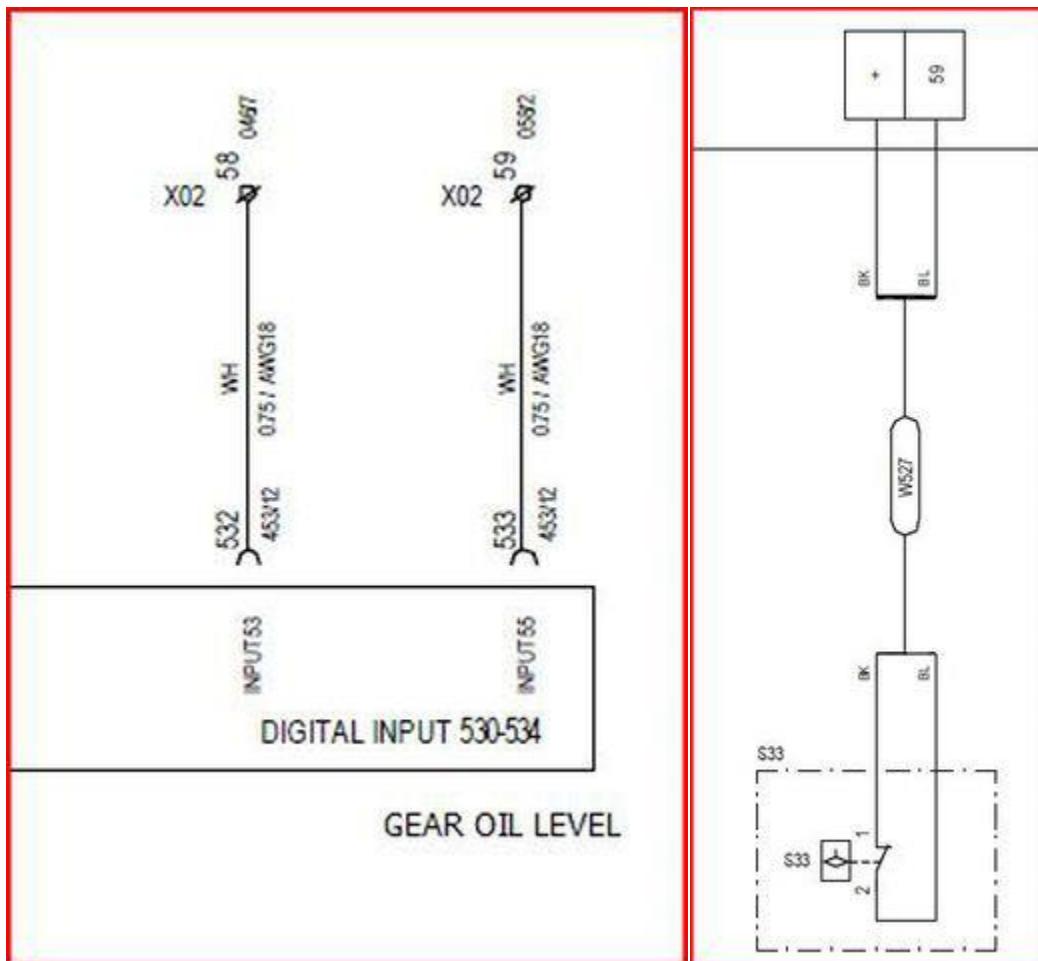
2] No

3] I don't know

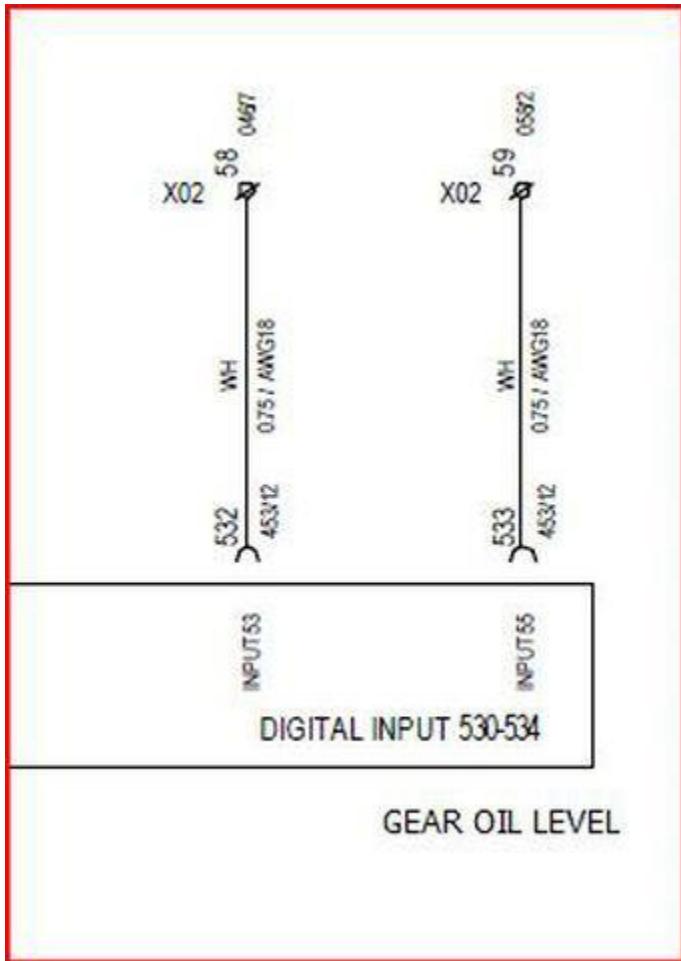
- **Explanation**  
**IN THE NACELLE:**

Check the electrical connections in the gear oil level switch.

Check the W527 cables for damage or abrasions.



Check the Nacelle TOI input for gear oil level switch.



**IN THE AN1 CABINET:**

If all connections and switch are ok , then the cause is likely a faulty nacelle TOI.

**Part Number for TOI unit:**

51701601- TOI-II INTERF EXT POC

