Check the thermostatic bypass valve

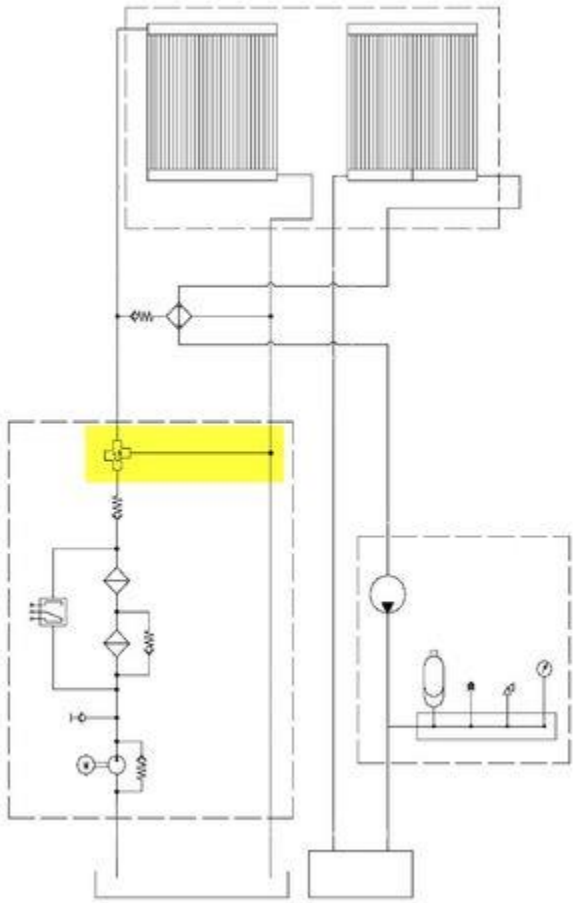
Does this solve the problem?

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

- **Explanation**

Use a thermometer to determine if the thermo bypass is stuck open.
You can measure the temperature of the heat exchange hose and the bypass hose to determine if the bypass valve is defective. If the bypass hose is hotter than the heat exchange hose, then the bypass valve is likely defective.

Task List: 16903



CIM2819 covers this valve sticking open.
This alarm is related to alarm 193 ‘Gear oil temperature high long term’.

Check the nacelle heater

Does this solve the problem?

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

- **Explanation**

The nacelle heater can cause the gearbox temp to rise if it runs continuously. Check that the heater isn’t constantly on.

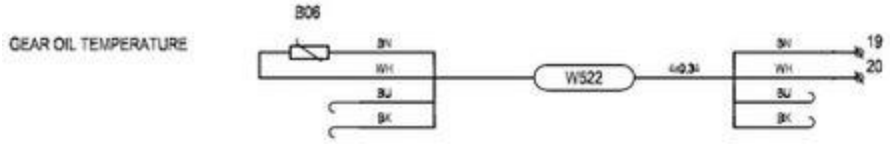
Check the B06 Pt100

Does this solve the problem?

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

- **Explanation**

The temperature sensor for the gear oil (B06) is part of the level pressure sensor unit. W522 is the cable for the Pt100 part of the sensor. Check the W522 connections at the AN12 box.
Perform a pull test on the wires and then check the resistance of the sensor with the wires disconnected.



Documents:
Pt100 resistance chart Doc: 0039-6203
Junction box AN12 Doc: 6015816
Top panel AN1 Doc: 0003-2029
V82 cooling system SWI Doc: 1001107

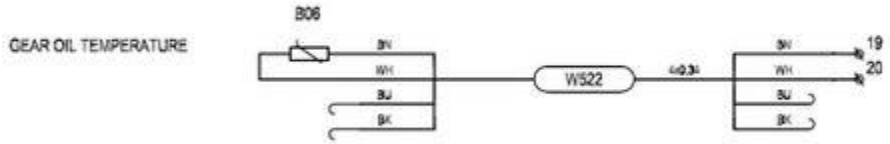
Check the circuit for a faulty connection

Does this solve the problem?

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

- **Explanation**

Check the wires in the AN12 and the AN1. Check the circuit for continuity and pull test the wires at every terminal.



Documents:
Junction box AN12 Doc: 6015816
Top panel AN1 Doc: 0003-2029

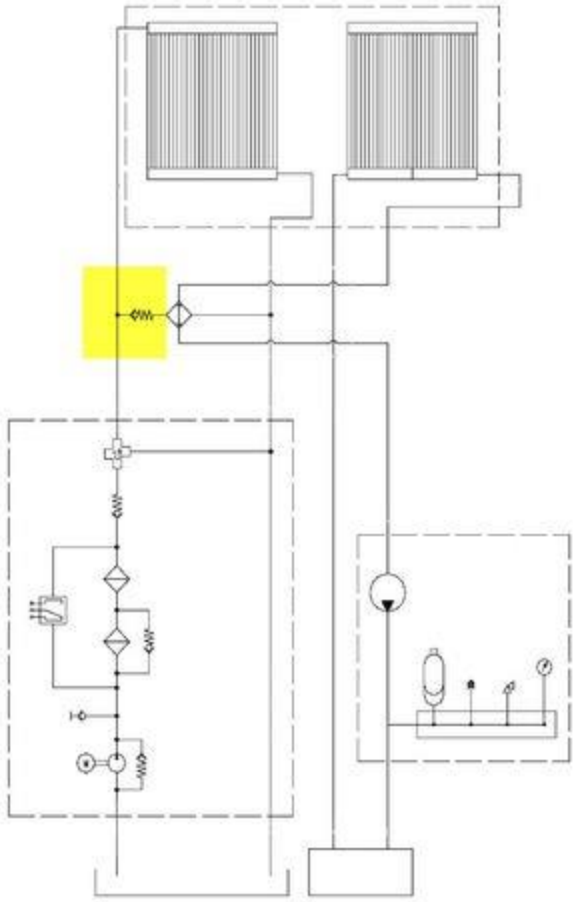
Check back pressure valve

Does this solve the problem?

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

- **Explanation**

The 4.5 bar back pressure valve attached to the heat exchanger could cause this alarm if it is stuck in the open position.
In this case, oil going into the exchanger would be almost the same temp as oil coming out.



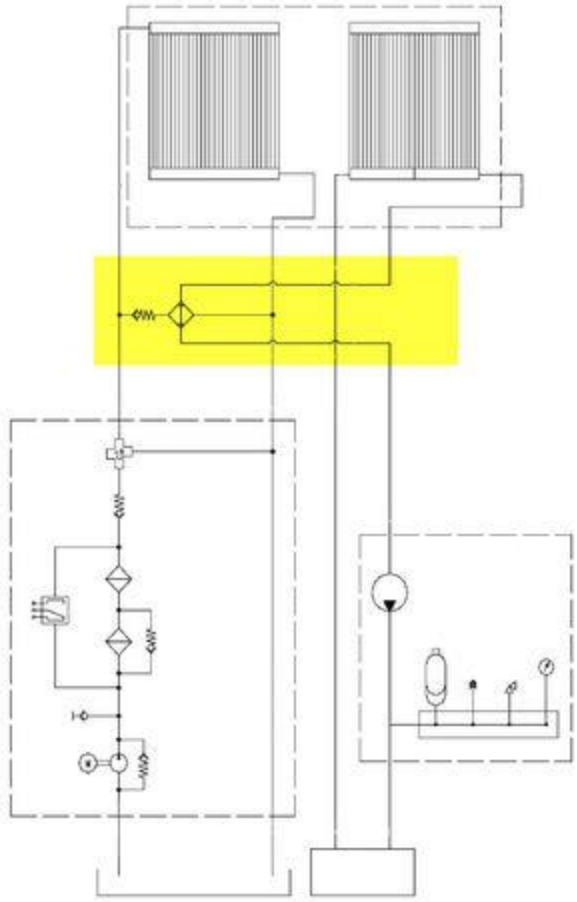
Clean the heat exchanger

Does this solve the problem?

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

- **Explanation**

If the heat exchanger is dirty, it will prevent the gear oil from cooling effectively. Check the heat exchanger for dirt build up.
Oil coming out of the heat exchanger should be cooler then oil going in.



Check that the water pump circulates coolant

Does this solve the problem?

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

- **Explanation**

  If the water pump is not circulating coolant in the system, the cooling system will not operate. Check the pump for operation and ensure the system is pressurized and free of air.