

Recharge or replace the accumulators

Does this solve the problem?

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

• **Explanation**
IN THE NACELLE:

Check pre-charge of accumulator. This alarm is generally caused by low nitrogen pressure in the accumulators.

Check pre-charge of accumulators AK1 and AK2.



Reference Doc **DMS: 941918** - Charging of Nitrogen Accumulators for instructions. Reference the following service instructions depending on which type the turbine is equipped with:

DMS [1001384](#) HSS Brake Hydraulics

Item number for Shaft brake Accumulators:

PARKER UNIT:

32bar accumulator : 60108210 - ACCUMULATOR ADE050-21R9A002

60bar accumulator : 60108204 - ACCUMULATOR ADE100-21R9A003

Replace the defective needle valve

Does this solve the problem?

- [1\] Yes](#)
- [2\] No](#)
- [3\] I don't know](#)

- **Explanation**
IN THE NACELLE:

Ensure that the needle valve is closed. With the pump running, listen for a whistling sound coming from the area of the valve. If needle valves are over tightened, it is possible that the valve will be damaged and a proper seal cannot be achieved.

Valve position number:

Combined hydraulic unit: **POS 15.**

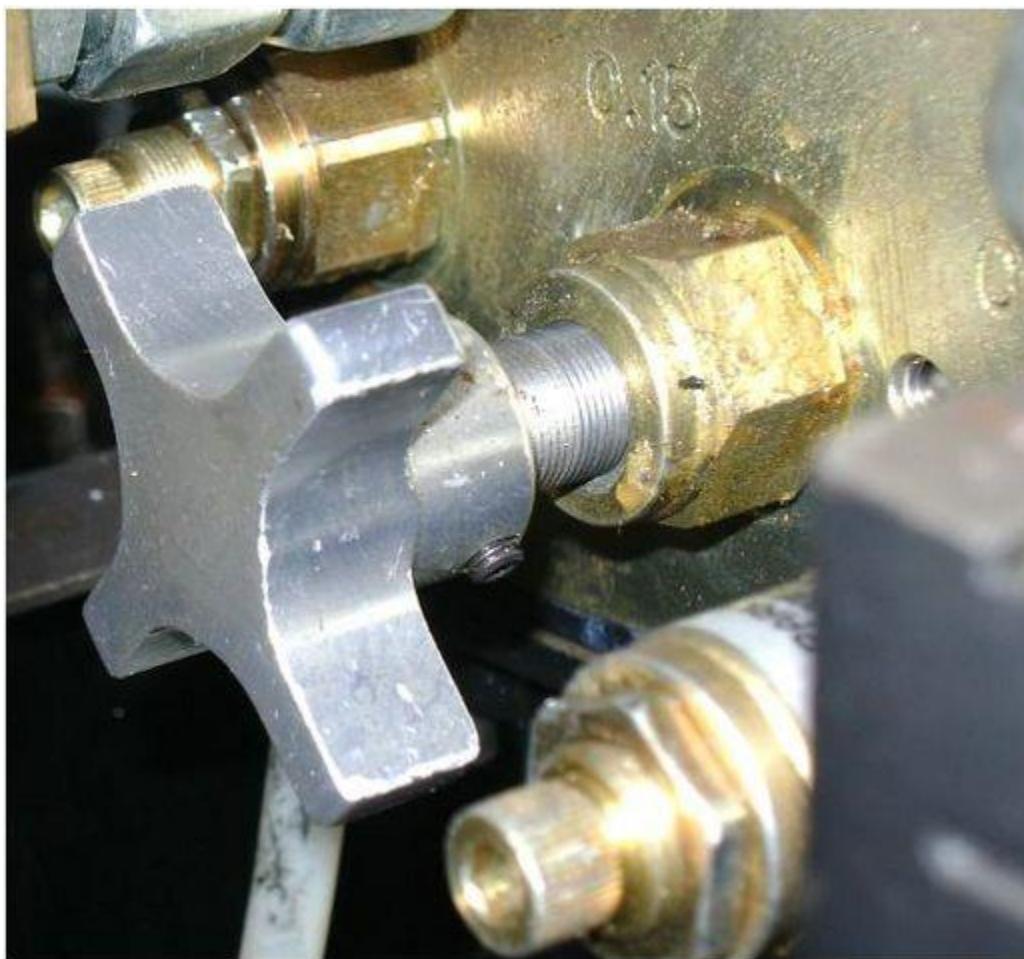
Parker hydraulic unit: **POS 0.16**

Replace the needle valve if it is found to be defective.

Item Number for Needle valve

Combined hydraulic unit: 60065410 - **Needle Valve TOGNELLA FT 267/1-**

Parker hydraulic unit: 60104032 - **Needle valve NVH-2201-**



Replace the defective hydraulic valves

Does this solve the problem?

- [1\] Yes](#)
- [2\] No](#)
- [3\] I don't know](#)

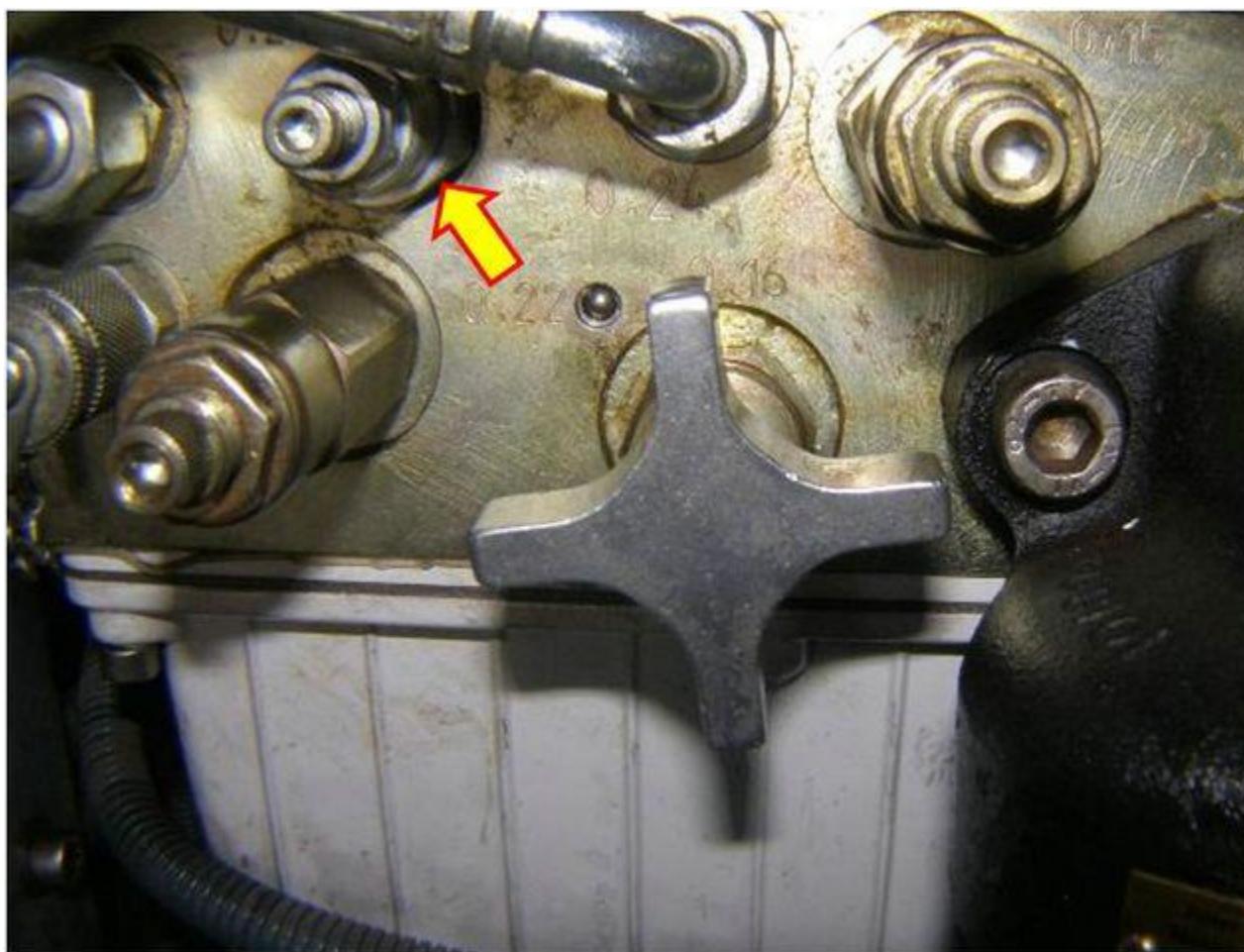
- **Explanation**
IN THE NACELLE:

Check the POS 0.23 valve.

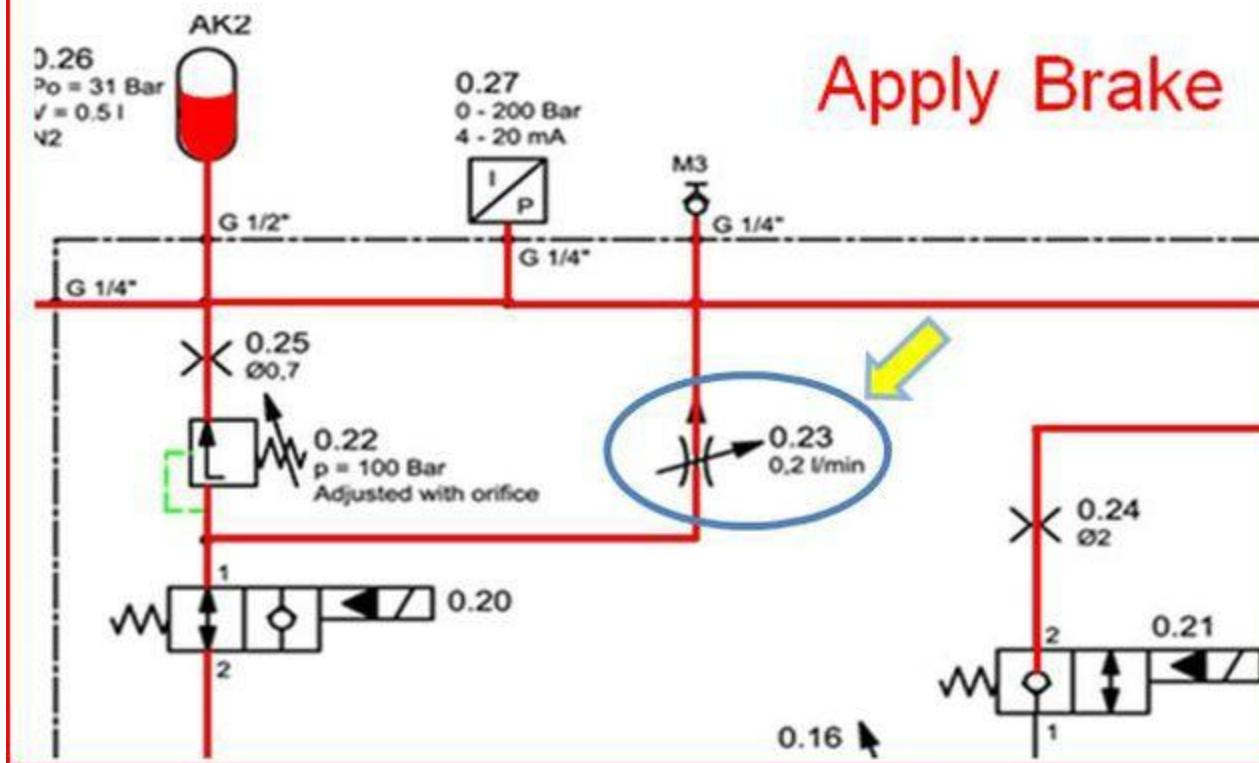
If found to be defective replace it with a new valve,

Part number for flow control valve (POS: 0.23):

60108206 -FLOW CONTROL A406-159-G01



Apply Brake



Check the valve POS: 0.22

If defective replace with new.

Part number for 0.22:

60104030 - VALVE RELIEF RDH-08-2-S-30 69-

Parker system:

Check the solenoid valve **POS 0.20(NO), 0.21(NC)**

If the solenoid valve is defective, replace it.

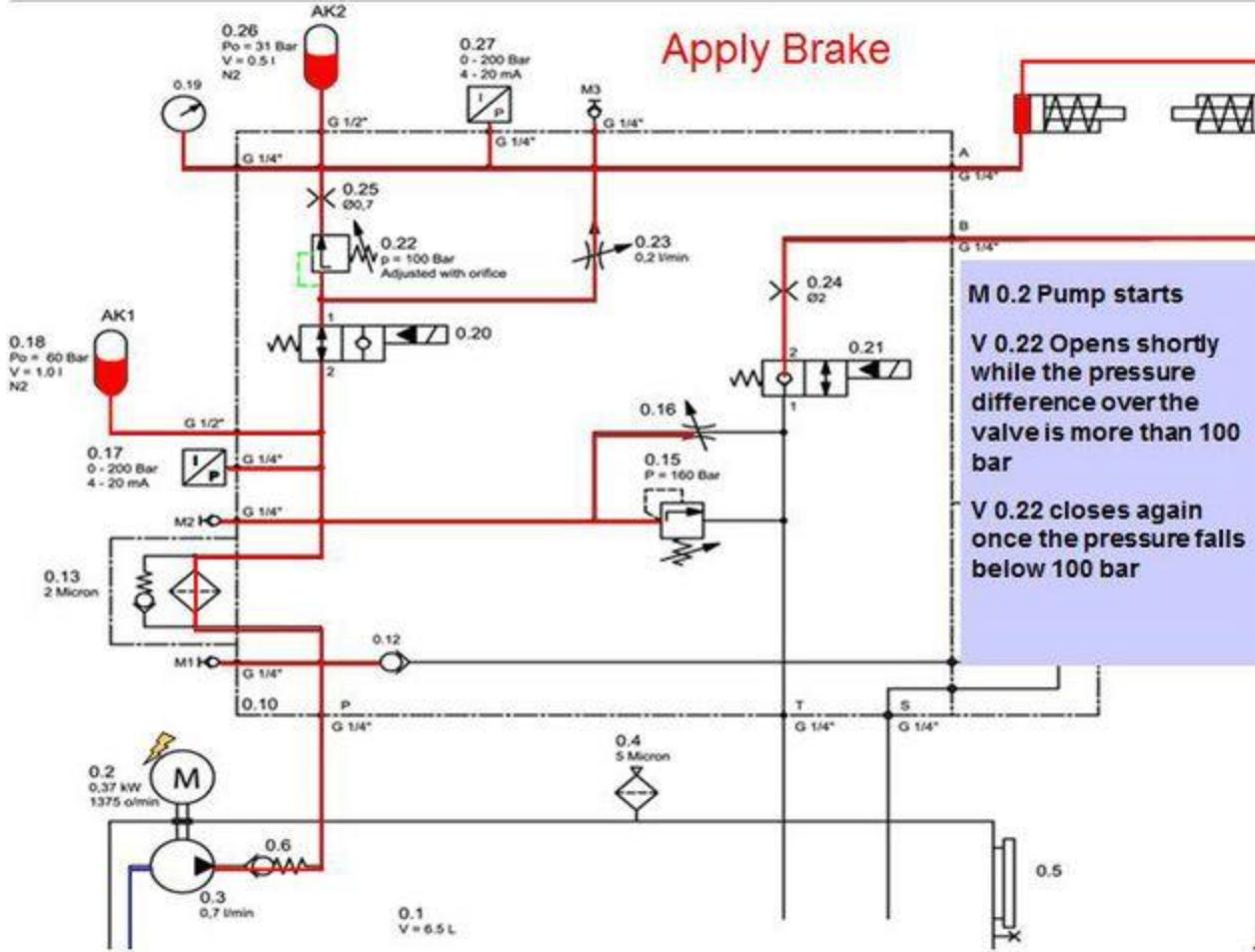
Item number for solenoid valve:

60104031 DIRECT VALVE N.C. 2/2 DSL-08-1

60104034 VLV DIRECT NO 2/2 DSL-08-1-CR



Parker system pressurized status:



Replace any coil found to be defective.

Item number for coil:

60065454 -COIL F/GS02 CCP024 D 24VDC W/C

Repair leak / top off oil

Does this solve the problem?

1] Yes

2] No

3] I don't know

• **Explanation**
IN THE NACELLE:

Check for any external oil leaks around the hydraulic system and brake unit.

Check hose connections and hoses.

Repair any leaks that are found.

Service Instruction Brembo Active Disc Brake: DMS [1001363](#)

Check the oil level (With the system pressurized and brake applied oil should be visible in the oil window).



Replace the defective Trip amplifier

Does this solve the problem?

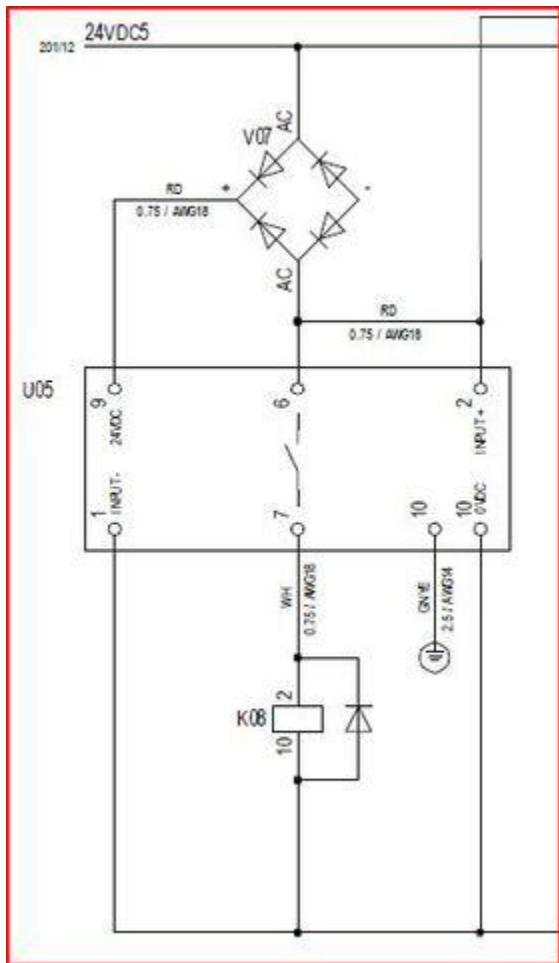
- 1] Yes
- 2] No
- 3] I don't know

• **Explanation
IN THE +AN1 PANEL:**

Check the Trip amplifier U05 for its proper function.

Check for any loose connections in the circuit.

Replace any defect in component that is discovered.



A failure Trip amplifier will be seen easily by notice the display in OFF condition as shown below;



Item no.	Description
<u>60004924</u>	TRIP AMPLIFIER 2231D-1050