Replace the throttel valce NFCC-LCN A40122

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

THROTTEL VAVLE NFCC-LCN A40122 Part number: 105103

Recharge nitrogen in accumulator

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

If you suspect the accumulator pre-charge is insufficient, check the nitrogen pressure on the accumulator with a manometer.

If the nitrogen pressure is less than 50 bar, the accumulator has failed. If the nitrogen is less than 115 bar, it needs to be recharged.

Recharge of nitrogen accumulator WKI: 941918

Check the pressure sensor

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

Verify the pressure sensor is giving accurate readings. Compare pressure reading on controller to a manometer measurement taken by you. There should be no difference in the two measurements.

You can also check for intermittent malfunctions by viewing historical data with the VOB tools.

Check for bad connections while inspecting the pressure transducer. Many hub electrical problems are caused by intermittent bad connections. You must move the wires by hand while testing to simulate operational movement.

Check the prop valve, replace if defective

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

If the proportional valve is allowing fluid to leak by, this alarm could be raised. Check the proportional valve with a multimeter as described in section 13.3 of the replacement work instruction.

Other pressure mismatch alarms for blade 3 in the alarm log would be an indication that the proportional valve is failing.

Pitch manifold prop valve repl. Doc.No.: 0016-1690

PROP VAL 4WREE 10R75-2X/G24K31 Part number: 60078979

Refill hydraulic oil

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

Check the hydraulic pitch system for the correct amount of fluid. Add some fluid if the level is low.

MOBIL SHC 524 20l Part number: 60113673

MOBIL SHC 524 Part number: 60096947

MOBIL AERO HF Part number: 60049423

Check the accumulators

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

Check to see how fast the pressure drops in blade 2 once the main pitch pump stops running. Compare it to the other two blades. If the pressure drops off quickly, then is it very likely that an accumulator bladder has ruptured.

As a rule of thumb, each accumulator contributes about 40 bar to the blade pressure reading after an e-stop

If the rupture is recent enough, you will see and hear lots of air in the system.

Check all three accumulators in the affected blade and replace or repair any found to be defective.

Use upgrade doc 0000-9402 as a guide for replacing the accumulators.

Accumulator 24.5 L Part number: 60113097

ACCU. BLADDER KIT 24.5L Part number: 60113640