Replace the defective pressure transmitter

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**
  IN THE HUB:

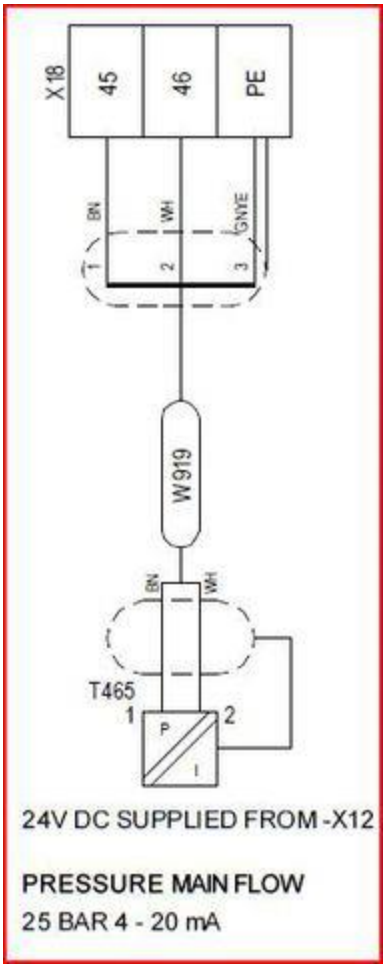
Check the condition of the -W919 cable in the hub.

Look for cracks or wear on the cable.

Check for loose connections at both ends of the cable.

Replace the cable if it is found to be damaged/defective.

Relevant spare parts	
Description	**Item No.**
CABLE W919 T465 HUB PRESSURE	60021523



Visually inspect the pressure transducer on the pump manifold for damage or loose connections.

With the feeder pump running, use a manometer to measure the inlet pressure at MF. If the value read from the manometer matches the TAC readout, the pressure transducer is good. If the value deviates from the TAC readout more than 1 or 2 bar, the transducer is likely faulty and needs to be replaced.

Replace the pressure transmitter if it is found to be defective.

Relevant spare parts

Description	Item No.
PRESSURE TRANSDUCER: MBS3000-24 (REXROTH)	60096501
PRESSURE TRANSDUCER 0-25 BAR 4 (PARKER)	60111629

Pressure sesnor Position of REXROTH system:

Pressure sensor Position of PARKER system:

Replace the feeder pump filter clogged switch

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**
  IN THE NACELLE:

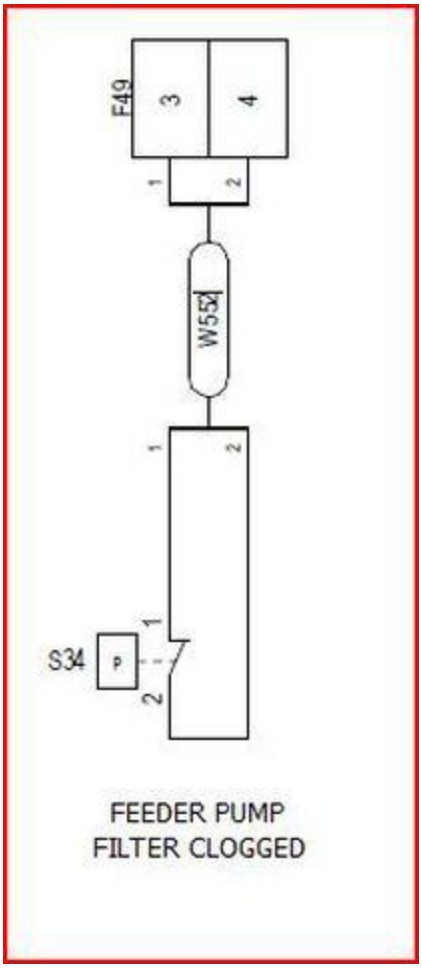
  Check the area around the feeder pump for oil leaks.

  Chect the oil level in the pitch oil tank, ensure oil level is correct.

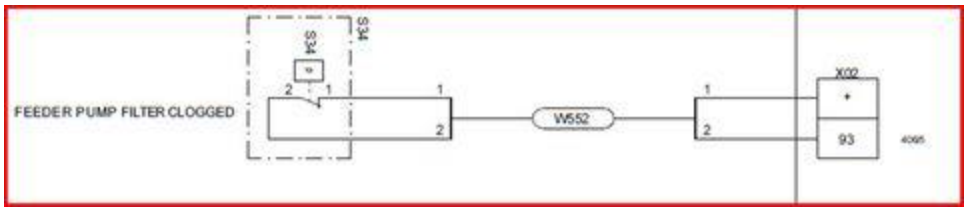
Check the feeder pump filter clogged switch signal in the TOI.

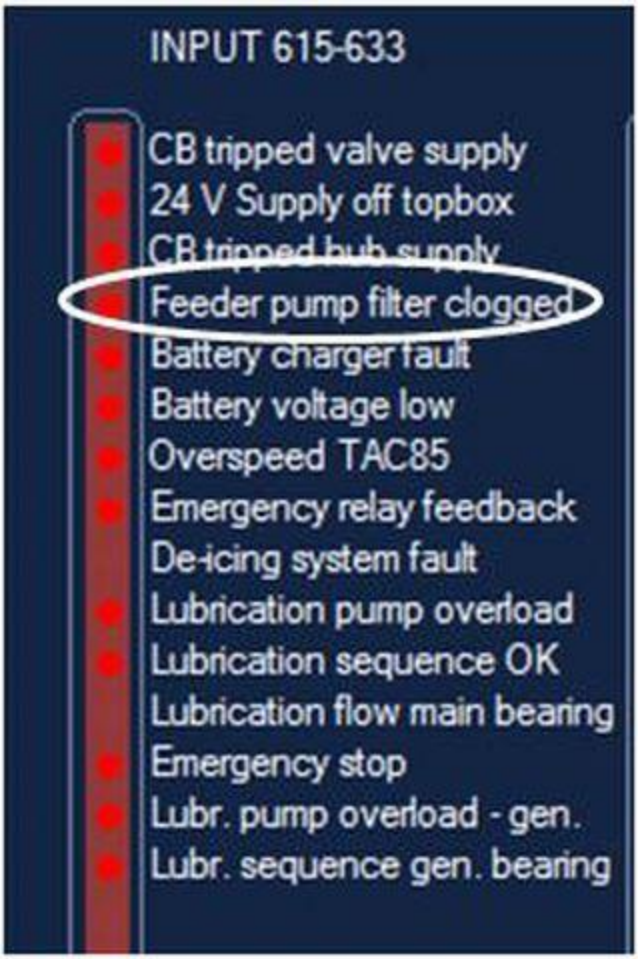
Check the circuit for any loose connections.

MkIII+



MkII-


S34
S34
FEEDER PUMP FILTER CLOGGED
2
1
1
2
W552
1
2
X02
+
93
4095



Replace the filter clogged switch If failed.

Check the hydralic pipe connection between nacelle to hub for loose connections or damage.

Relevant spare parts	
Description	**Item No.**
DIFFERANTIL PRESSURE SWITCH F	60101842

Check feeder pump filter for oil leaks.

Replace the filter if it is clogged.

Relevant spare parts	
Description	**Item No.**
FLTR ELEMENT DONALDSON K513/01	60067838

Replace defective relief valve.

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

Check and replace 12 bar relief valve in feeder pump filter block.

Relevant spare parts	
Description	**Item No.**
Relief Valve CMP30-C1	60074742

Test / Replace the defective feeder pump motor

Does this solve the problem?

1] Yes

2] No

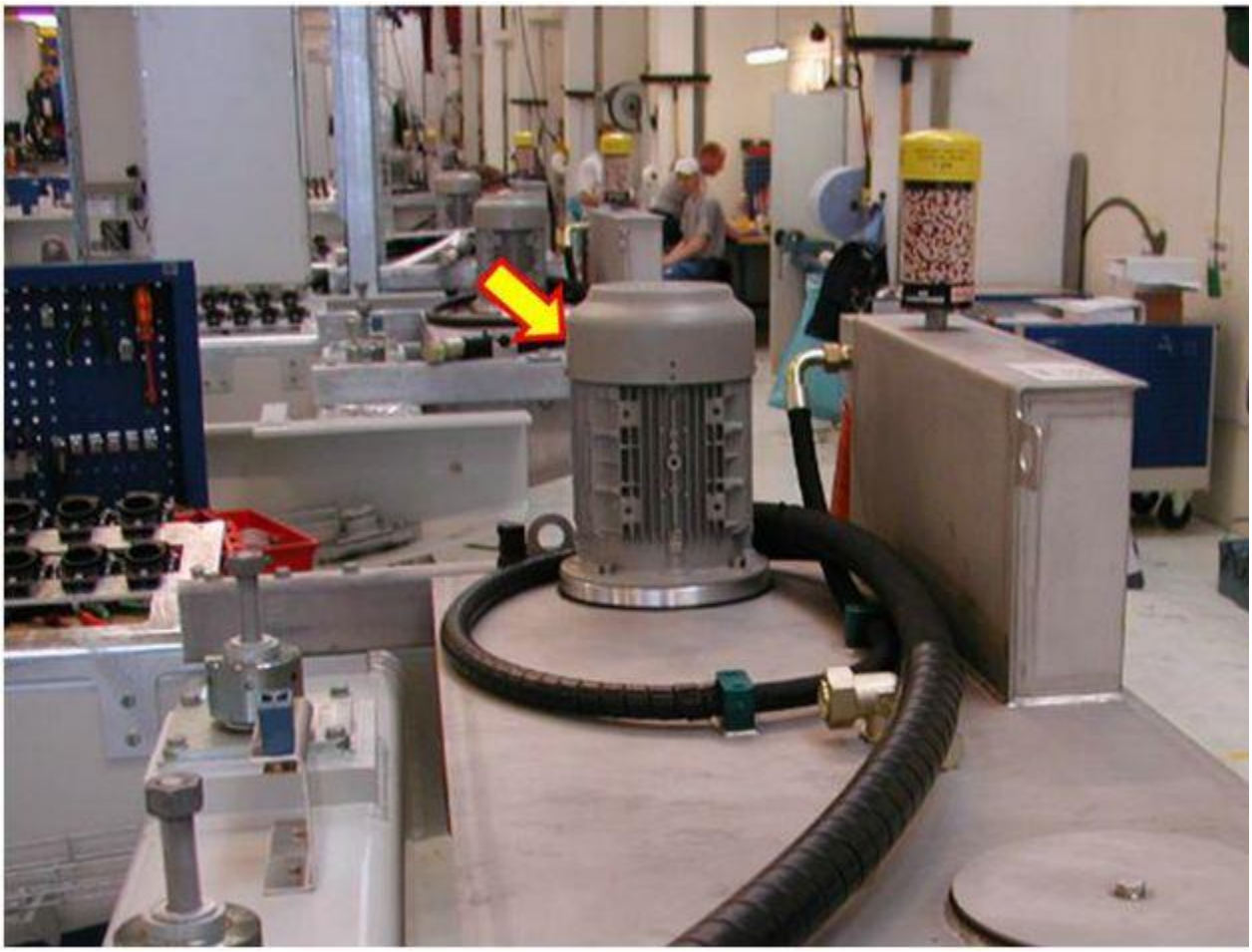
3] I don't know

- **Explanation**

IN THE NACELLE:

WARNING: Ensure that proper LOTO procedures have been followed and no voltage is present on the 690VAC circuit before testing the cable.

Check the input voltage (Position Number : M11)



Check for any loose connections in the motor terminal box

Operate the motor and listen for faulty bearings or abnormal noise of any kind.

Remove the STAR/ DELTA connections and measure the resistance value of the windings.

Measure phase to phase and phase to earth on all windings.

If the Motor is found to be defective replace the Motor

Relevant spare parts	
Description	**Item No.**
MOTOR El. 4AP112M-6S-B5-4/6 2	60073425

Relevant documentation	
Description	**DMS No.**
Replacement of Pitch motor SWI	0001-8482

Operate the pump and observe for faulty bearings or abnormal noise of any kind.

If pressure is not developing the likely cause is a defect hydraulic pump or the hydraulic pump may be obstructed internally.

Relevant spare parts	
Description	**Item No.**
GEAR WHEEL PUMP 52CCM 3SPA-52D	60073428

Visually inspect the lovejoy coupling for any damage or debris.

Replace the coupling if it is defective or damaged beyond use.

Relevant spare parts	
Description	**Item No.**
Coupling ND 86 (Whole Set)	60120016
Coupling ND 86 Pump site	60120013
Coupling Rubber	60120014
Coupling ND 86 Motor Side	60120015

Relevant CIM case	
CIM case	**Description**
1712	Nacelle Pitch Feeder Pump Station defect

(TACII SW 130604 contains a solution to resolve continuous pump operation which causes frequent feeder pump wear /failure issues).

Pump with hose connection:

Ensure the bolts tightness / connection between the pump and hose.

Ensure the O ring is in good condition.

Replace the defective hub computer

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**
  IN THE HUB:

If after checking the hub system and feeder pump circuit the fault still persist, it is likely that the hub computer is defective.

Check the turbine alarm log for other hub related temperature or pressure alarms.

Replace the hub computer with new.

Relevant spare parts	
Description	**Item No.**
SIF Hub Computer Cabinet EVO II	51701801

Relevant CIM case		
CIM case	**Task list**	**SWI**

1594		
3410		

Check for surge protector upgrade in power net as per document:

Relevant documentation	
Description	**DMS No.**
Add Elec Protector V-82	**0033-3872**
Additional protection for V82 components	**0013-3681**

Replace the defective feeder pump inlet hose

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

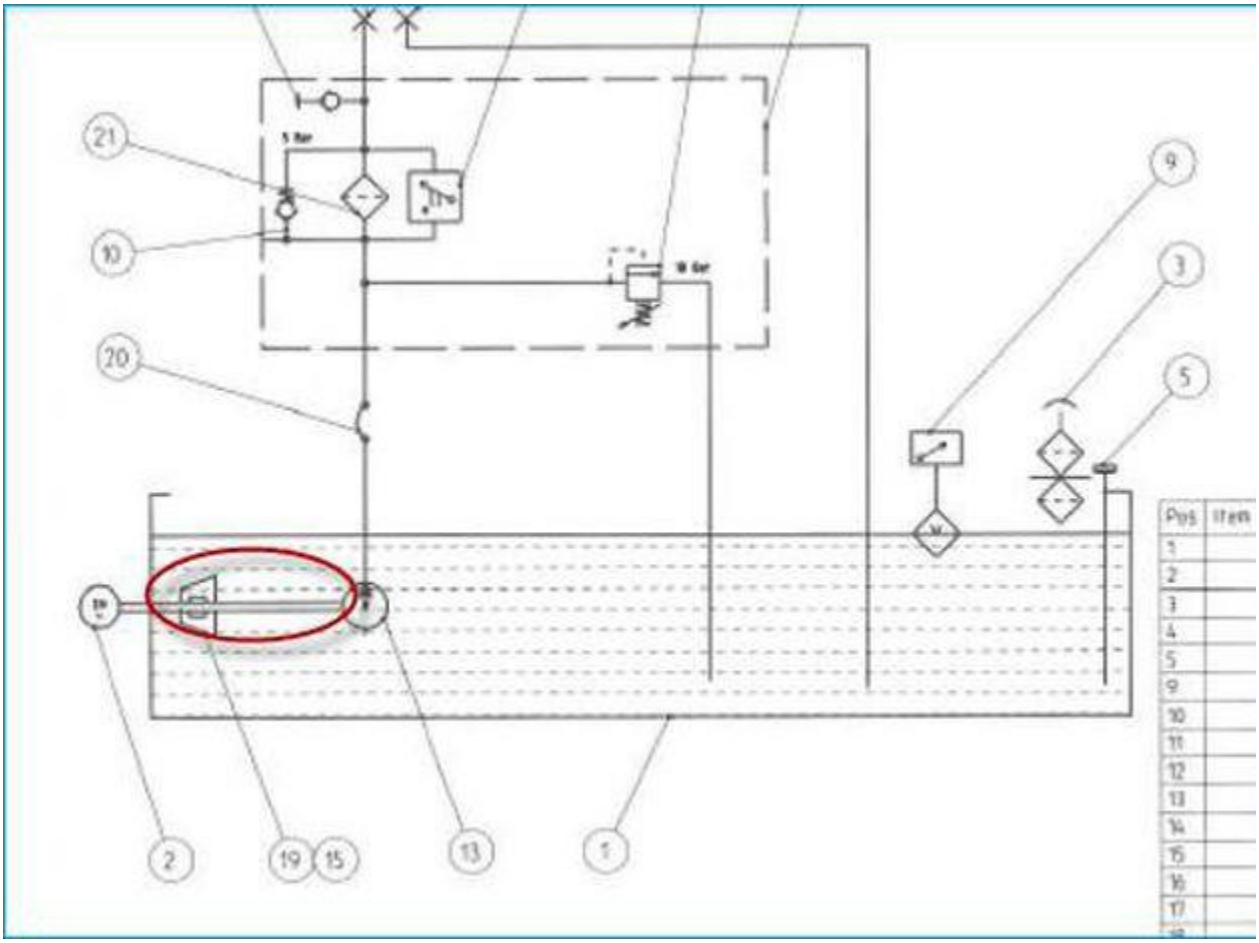
IN THE NACELLE (HYDRAULIC TANK):

Check the hydraulic hose connection between the pump and oil sump.

Check hose connections for tightness.

Check hoses for any damage that may lead to an air lock.

Replace the hose if needed.



Relevant spare parts	
Description	**Item No.**
HYDR HOSE PLASTIC 3/4" L=1410	60113438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