

Replace the Manifold and Hoses

Does this solve the problem?

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

- **Explanation**
IN THE NACELLE:

Remove the hose connection of both bearings and check that an equal amount of grease comes out of each lubrication hose.



If no grease comes out of one of the hoses there might be a clog in the suction pipe or inside the pump, distribution manifold or the hose Clean and replace if needed.

If there is an un-equal amount of grease one of the outputs of the distribution manifold might be clogged or one of the hoses might have been crushed. Inspect clean, repair or replace as necessary.

Remove the manifold check the 'O' ring if any damage





Generator Grease pump
Manifold 'O' ring



Relevant spare parts	
Description	Item No.
MANIFOLD FOR 60113706	60120964



Ensure that the un-used manifold outlets are closed by a CLOSING PLUG.





Relevant spare parts	
Description	Item No.
HOSE F. AUT. LUB MOB. SHC 100 (REAR)	60092375
HOSE F. AUT. LUB. MOB. SHC 100 (FRONT)	60092376

Check the feedback signal

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

Possible problems:

Clog in one of the bearings or bearing inlets or Proximity switch gap alignment.

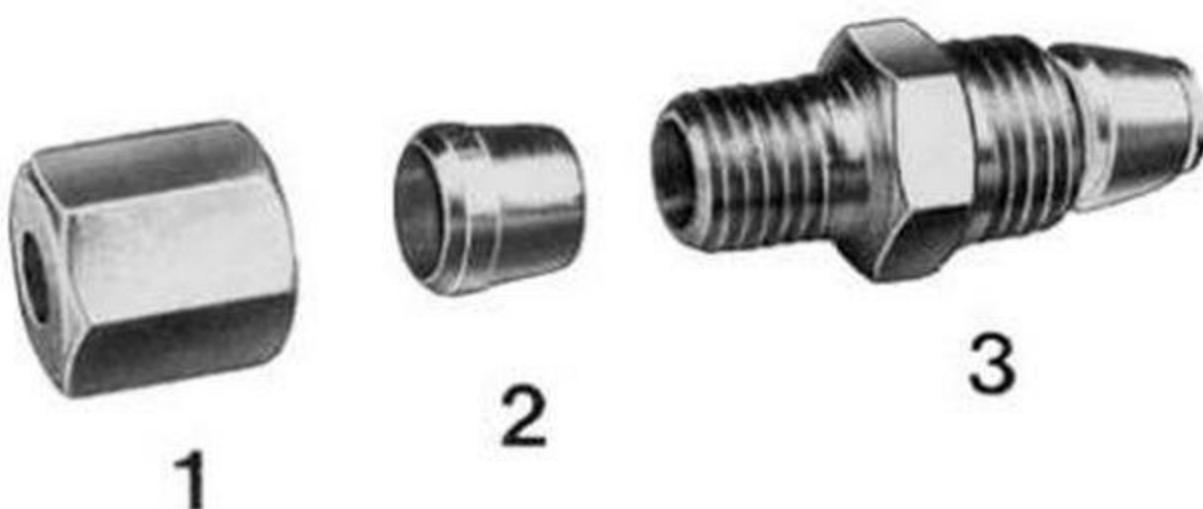
IN THE NACELLE:

Check the feedback signal and grease flow with the lubrication points disconnected from the bearing inlets.

If the sequence increases after disconnection the bearing inlets, there might be a clog in one of the bearings or bearing inlets.

Remove the bearing cover and clean the grease flow path,

Ensure the lubrication points are connected in the below sequence.



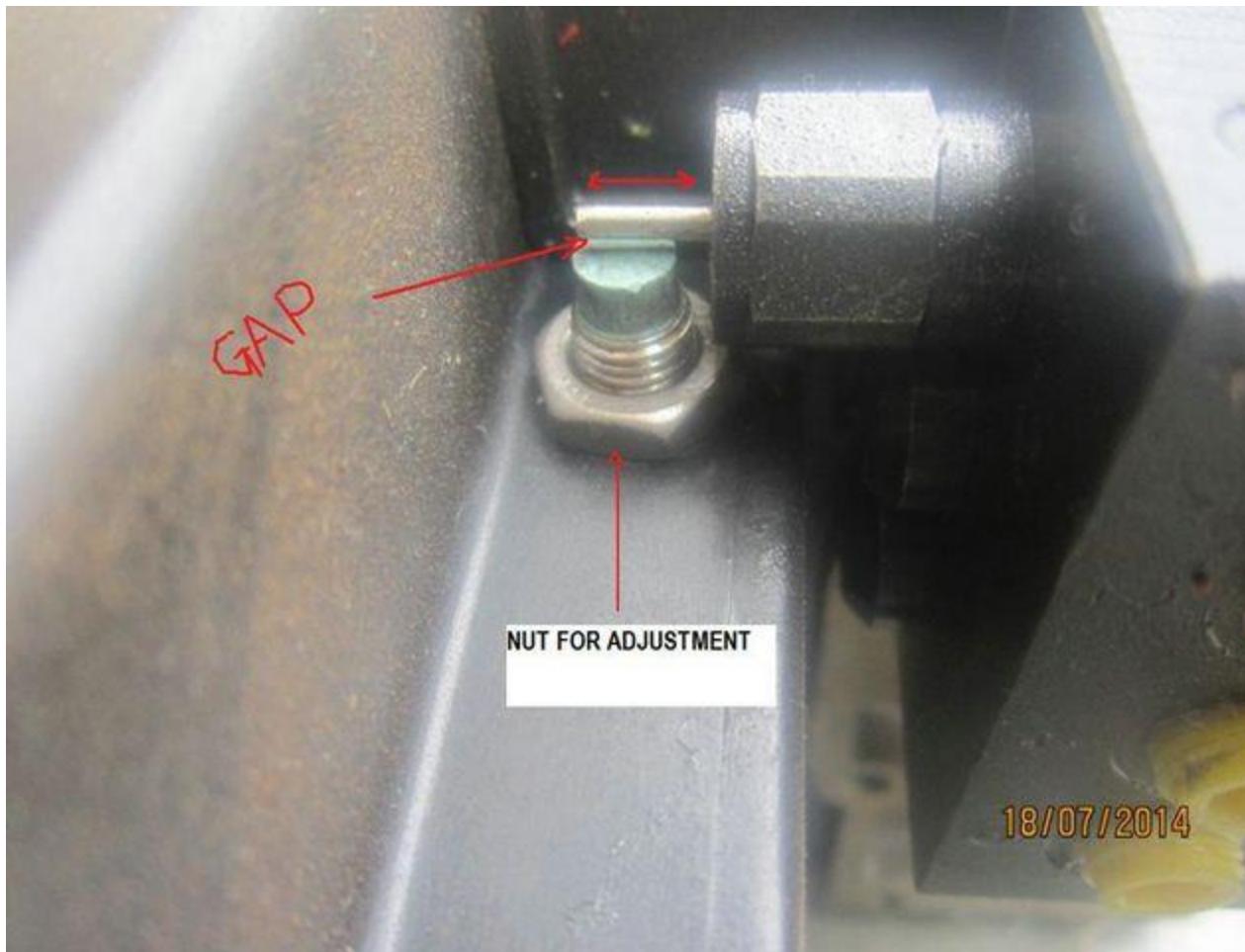
- 1 Ferrule nut
- 2 Cutting ring
- 3 Valve body with sealing and ferrule

Top up the grease level in reservoir by using manual grease gun

Remember to let the generator turn when grease is injected.

Check for proximity sensor gap and adjust if necessary as shown below.





Replace the defective components

Does this solve the problem?

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

- **Explanation**
IN THE NACELLE:

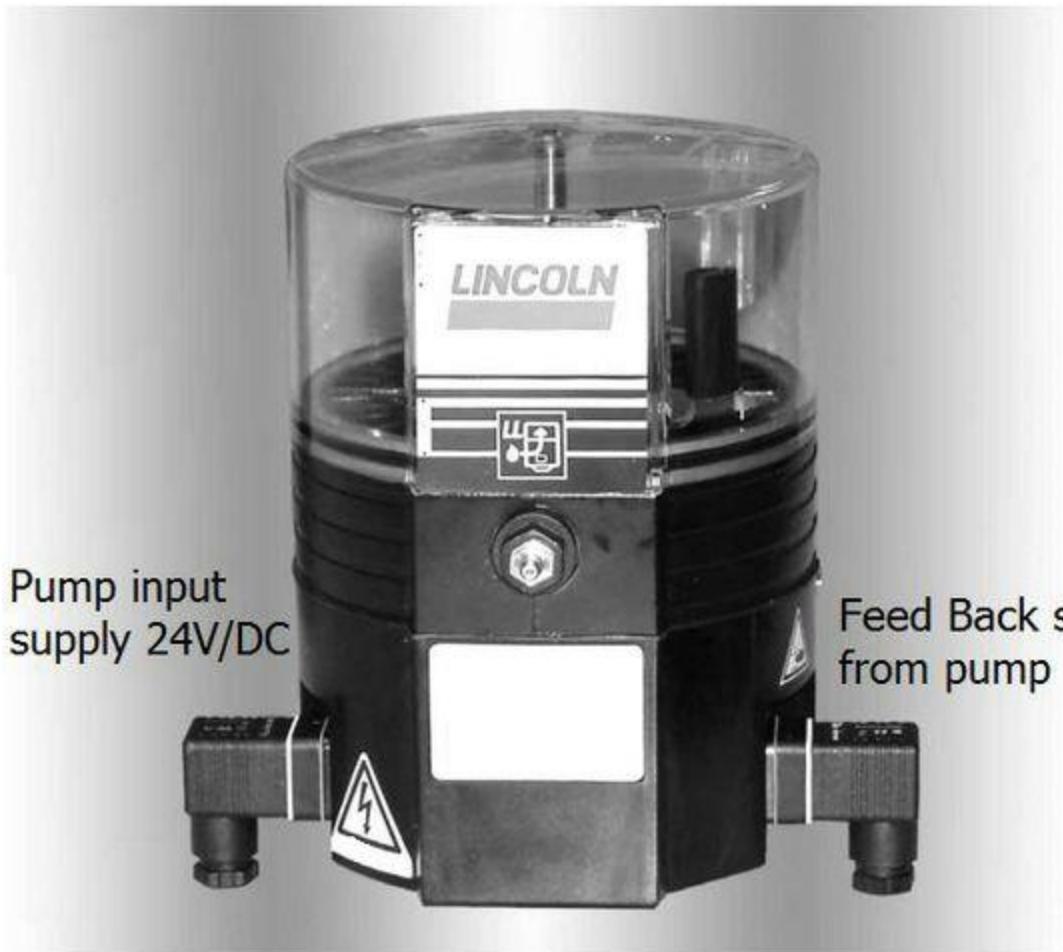
Check the pump operation through TAC-II controller,

Service Menu → Manual Test → Start/stop generator grease pump

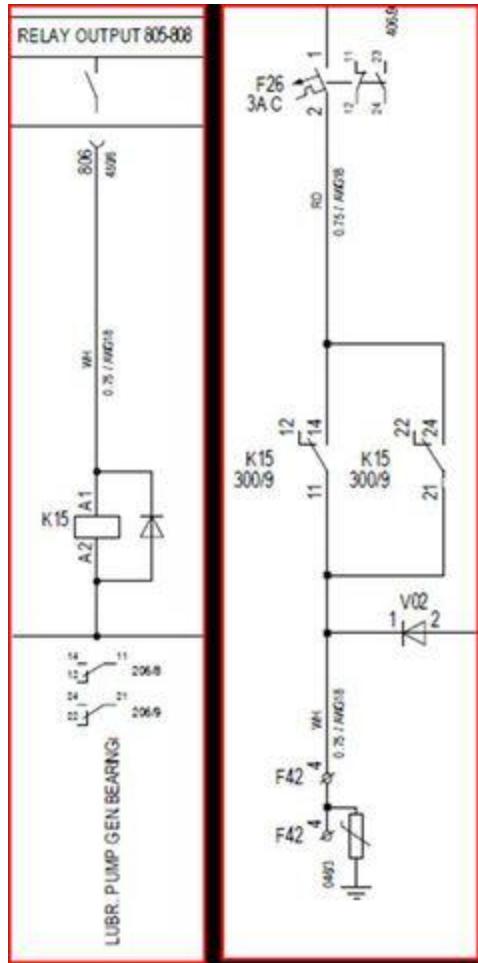
Ensure that the pump operating as normal.

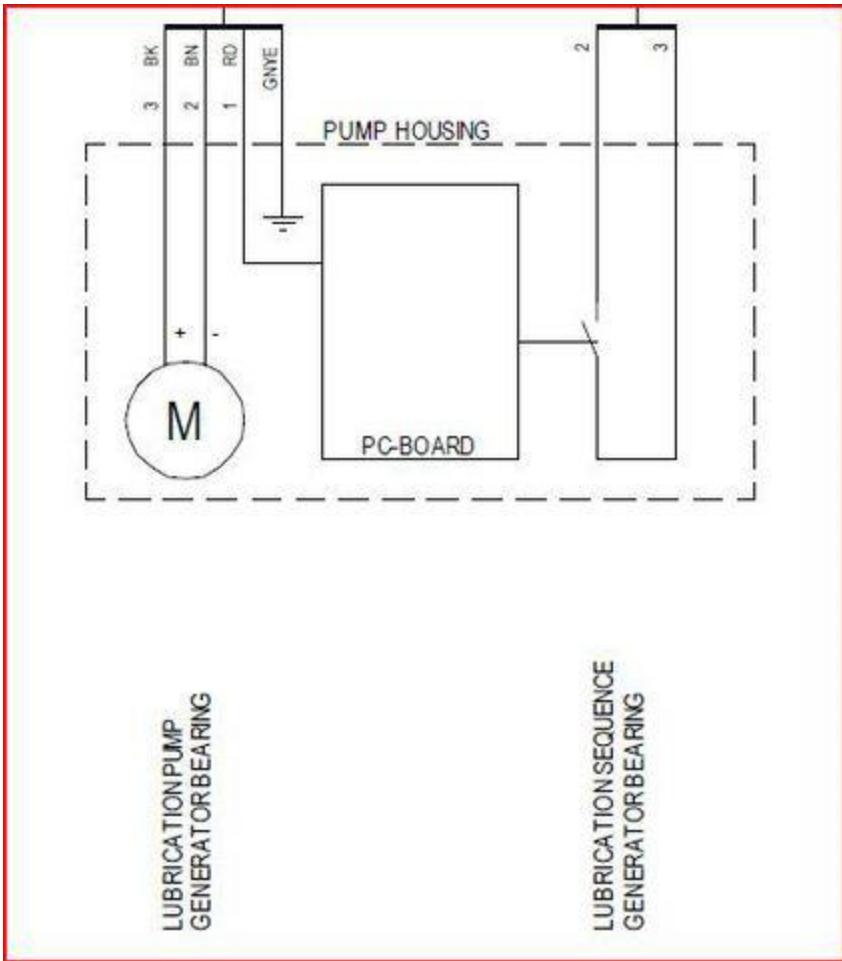


If pump is not working check the wiring connections at the pump for loose or corroded pins/wires.



Check the relay output supply from TOI and K15 relay function.





Check the input supply cable (W341) and feedback signal cable (W578)

Check the input voltage presence in the pump connector.



If found to be defective, replace the grease pump.

Relevant spare parts	
Description	Item No.
LUBR.PUMP MOBILITH SHC 100 LINCOLN 401	60113706
LUBR PUMP KLÜBER BEM 41-132	104650

Relevant documentation	
Description	DMS No.

Replacing grease lubricator f. generator	1001906
SI-Lubrication unit generator bearings	1001451

Check the grease pump and reset the counter

Does this solve the problem?

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

- **Explanation**

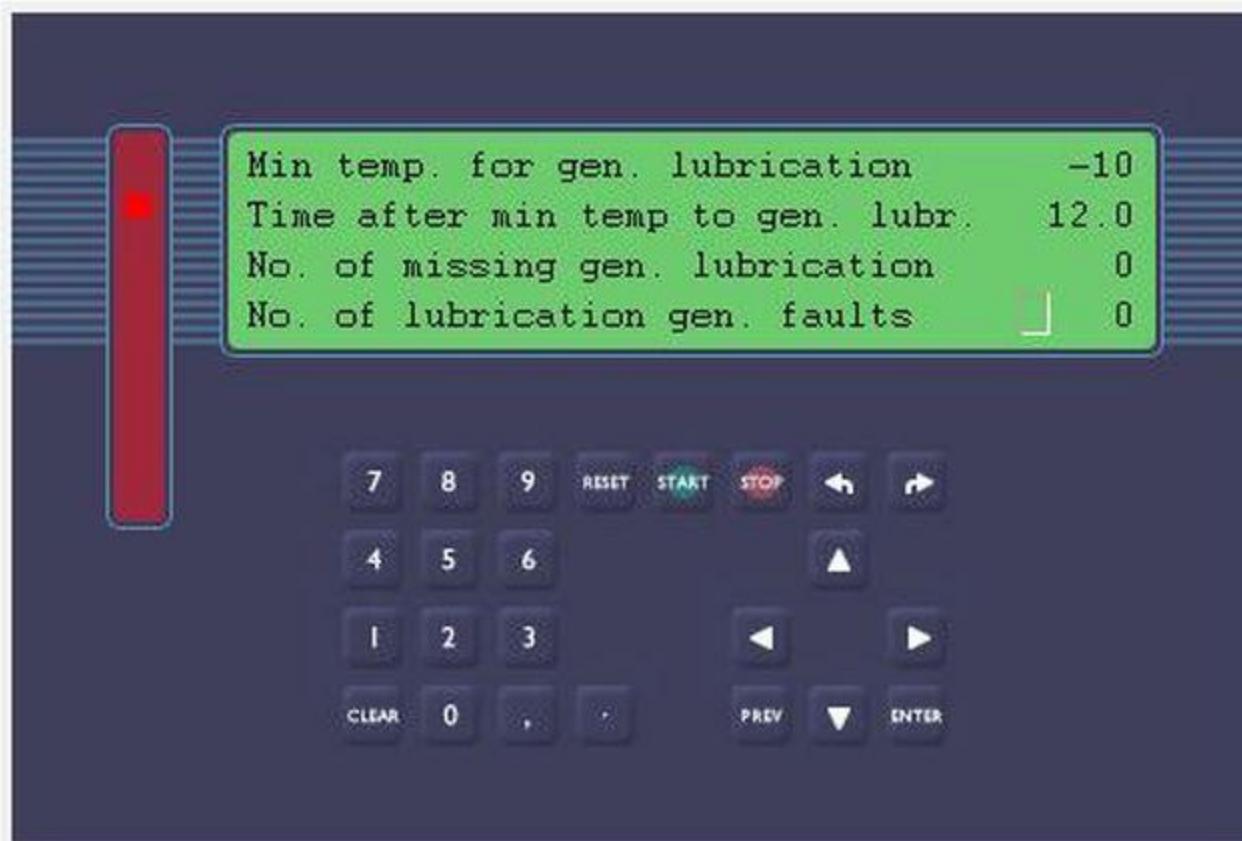
Keep the lubrication points disconnected.

Reset the counter through TAC-II controller,

Configuration→ Set Operation parameters→ Generator lubrication pump→ No .of missing gen, lubrication

No .of lubrication gen faults

and manually set the counter to 'zero'.



Operate the pump through TAC-II controller,

Service Menu → Manual Test → Start/stop generator grease pump

Check the lubrication sequence LED is blinking "No. of lubrication gen. faults"

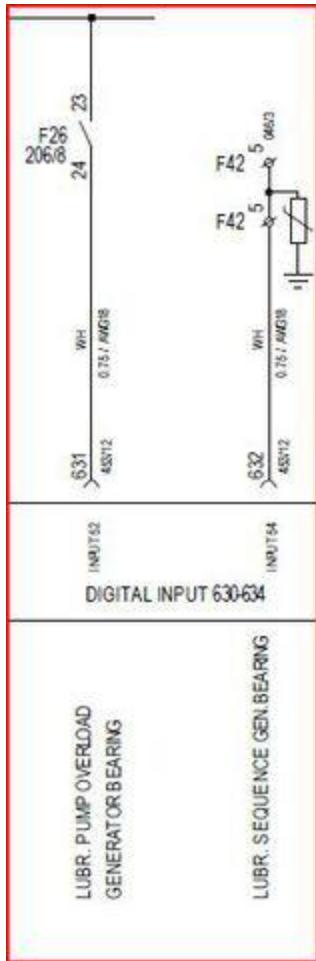
INPUT 615-633

- CB tripped valve supply
- 24 V Supply off topbox
- CB tripped hub supply
- Feeder pump filter clogged
- Battery charger fault
- Battery voltage low
- Overspeed TAC85
- Emergency relay feedback
- De-icing system fault
- Lubrication pump overload
- Lubrication sequence OK
- Lubrication flow main bearing
- Emergency stop
- Lubr. pump overload - gen.
- Lubr. sequence gen. bearing

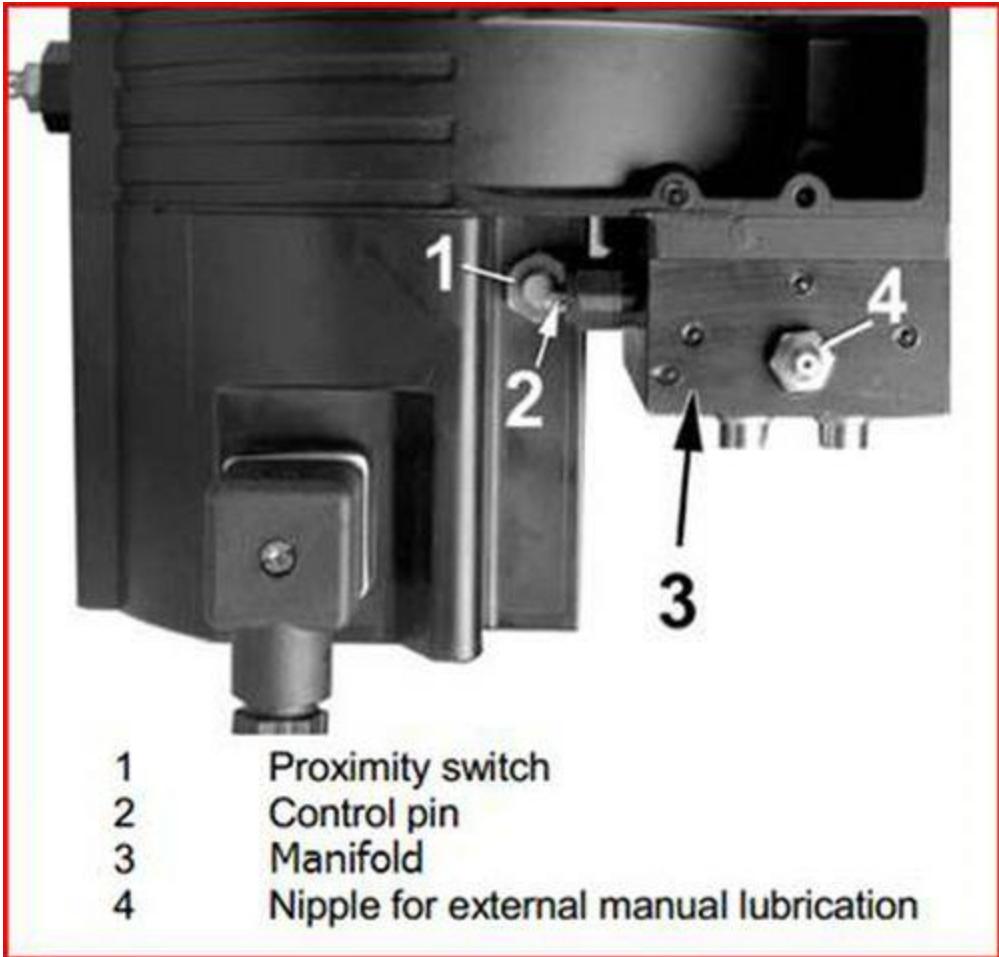
Check that the counter is increased.

If the sequence is completed but the system increases the counters the feedback system may be defective.

Check that the plug fittings properly and cables connected in the connection box.



Replace any cables and plugs if damaged.



In some cases the TOI input may be the cause of the problem.

Relevant spare parts	
Description	Item No.
TOI-II INTERF EXT POC	51701601