

Troubleshoot safety circuit

Does this solve the problem?

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

- **Explanation**

If the turbine has faulted for the safety circuit breaking, troubleshoot the original alarm and repair it before addressing alarm 750.

The guide for alarm 516 – Safety Relay Open, contains troubleshooting steps for the safety circuit.

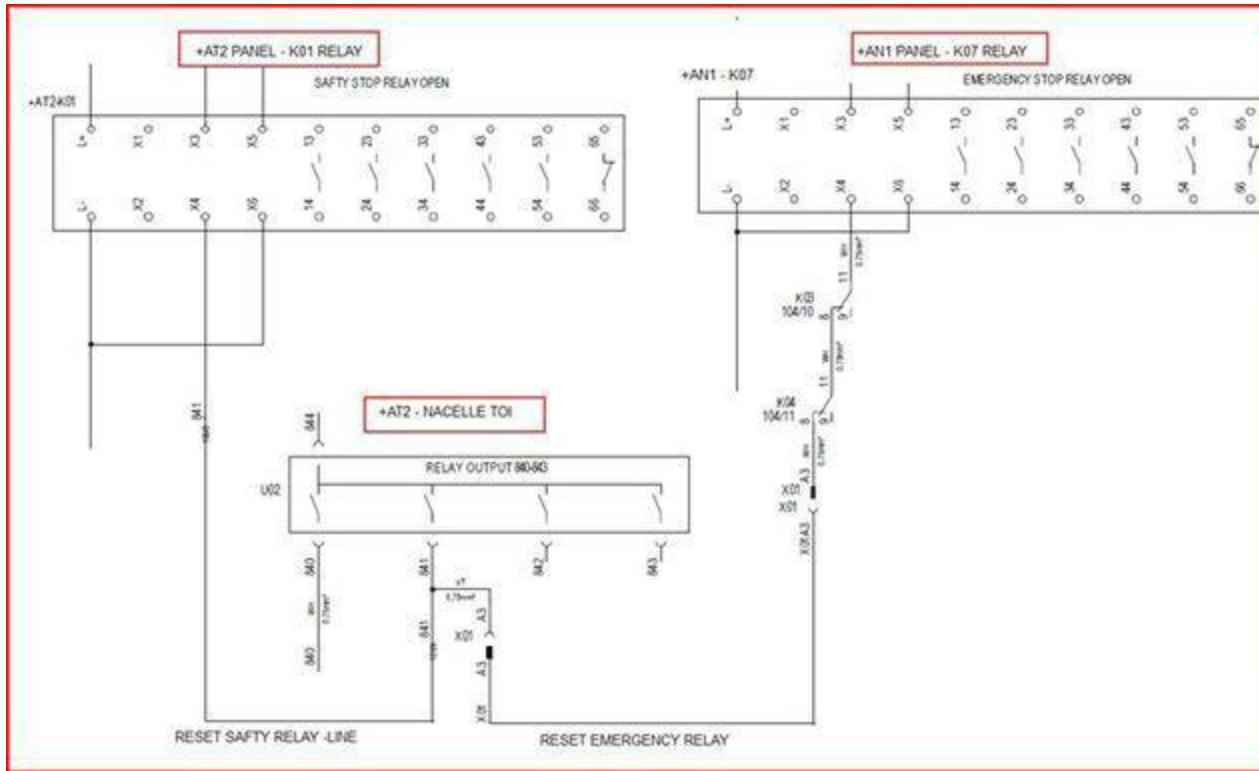
Make sure the reset signal makes it to the safety relay

Does this solve the problem?

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

- **Explanation**

Check for 24 VDC on the Safety Stop relay, terminal X4, while the reset signal is being sent. If the power doesn't make it to the Safety Stop relay, then the relay won't reset even if the safety circuit is fine.



Check the reset circuit for continuity and repair any opens. Then try to reset the circuit again.

Test the Safety Relay, replace if bad

Does this solve the problem?

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

- **Explanation**

If the AT2:K01 is getting the reset signal and the safety line has continuity from end to end then the Safety Stop Relay may be defective.

Replace the K01 relay and retest the safety circuit.

Relevant spare parts

Description	Item No.
Relay Safety 3TK2806-OBB4 24VDC	60004996

Check the safety line components to make sure the F01 and U02 signals are not crossed

Does this solve the problem?

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

• **Explanation**

If the turbine has failed the safety line test performed by the turbine but you can reset it with a service reset, then the safety line and safety reset line may be crossed or paralleled.

Watch the total log while the safety line test is being ran and note what it was checking when it failed the test. Then repair that component and run the test again until it passes.

TAC Log, T24

Select logbook filter

6. TOTAL LOG

Start Receiving log

Events

Start event:

No. of events

6. TOTAL LOG

2014-08-28	14:23:40.9950	316	Output Lubr.
2014-08-28	14:23:35.5975	301	Input Lubr. s
2014-08-28	14:23:13.7050	302	Input Lubr. s
2014-08-28	14:22:50.0000	315	Output Lubr.
2014-08-28	14:11:14.8700	751	Remote user]
2014-08-28	14:00:57.0025	377	Yaw brake pre
2014-08-28	13:42:40.9962	131	Output Gear c