

Response Sheet

Machine/Engine Serial Number: _R1700K/ KT400176/ MXZ00133_____

1. Does the fault exist?

Yes, Panel 20 W cannot be used by command machine at 28 October 2022, Night shift

Because of AIS of this panel cannot be armed.

During information gathering from service analyst OB4 and production dispatcher team

Found that this panel has been manned with manual loader for past 2 weeks, and latest

Operation by command machine occurred at 13 October day shift because of rehab / repair ground

Support at middle area.

Latest maintenance (PM) for command infrastructure performed at 15 October 2022 Day shift

And during inspection, the infrastructure is in good condition and ready for command operation

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

2. State the problem in writing

AIS at panel 20W cannot be armed and make this panel cannot be operated with command machine

Area for operation is reachable by maintenance team with supervision by WET MUCK Assesor team

.....

3. Inspect

During visual inspection found that:

- AIS barrier devices condition at good condition and no external damage shown at all devices
(Light curtain, lanyard switch, BCP at good condition)
- New ground support installed at middle access at P20W
- Cable and harnesses at the back of the panel middle area are scattered and not tidy

- [illegible]

- Wrong dipswitch conf

- [illegible]

5. Run tests and record data

- Test ping BCP from server, found connection OK
- Try set up area, found BCP at P20W middle access cannot be armed (SF)
And all barrier devices indicator at VNC for P20W middle red
- Check dipswitch setting at DI –DO, found setting is correct
- Test removing connector devices at BCP P20W middle for eliminate suspect of broken/ shorted
Devices or cables, found indicator SF not blinking when lanyard switch connector disconnected
From BCP and the SF indicator blinking again when connector for lanyard switch connected to
BCP
- When connector for lanyard switch disconnected from BCP, indicator for emergency shutdown switch
And light curtain turn to green
- Perform tracing connection between BCP to lanyard switch, found cable of lanyard switch is
Pinched by wire mesh and when perform short test at the connector for lanyard switch at BCP,
Cable shorted
- Test short at lanyard switch terminal, found OK

[illegible]

6. Eliminate and isolate the real cause

Problem occurred because of Cable for lanyard switch is shorted

.....

.....

.....

7. Repair the faults

- Replace cable as sensor (365-4089) for lanyard switch
- Reroute all cables for AIS barriers devices to safer path and route (avoid from external impact)
- Test communication and arming AIS at P20W, OK
- Test operation of all AIS devices (Light curtain, lanyard switch and Emergency shutdown switch), OK
- Test operation command machine at P20W, machine can be operated properly
- Release panel for command production

[illegible]

8. Record information

- Communicate with dispatcher team when command panel scheduled for rehab/repair ground support, so Service team can secure all devices and cables that need to be secured
- Perform PM infrastructure regularly to avoid this type of problem happen in the future

This image shows a full page of white paper with horizontal dashed lines, typical of primary school writing paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

[illegible]