

RE: Steering gear scan

Esben Engelstad | Vestland Marine <esben@vestlandmarine.eu>

Sat 2024-02-24 2:35 PM

To: Marco Coppola | Vestland Marine <marco.coppola@vestlandmarine.eu>

Cc: Per Brag <per@shipping.fo>; technical <technical@vestlandmarine.eu>; master@vex.vestlandmarine.eu <master@vex.vestlandmarine.eu>; cheng@vex.vestlandmarine.eu <cheng@vex.vestlandmarine.eu>

Hi Marco,

JM left the vessel about 30min ago, and to my understanding no faults founds.

I will as agreed scan manuals and take pictures to enable you to prepare technician coming next Saturday.

We have a fault on the UPC located on the bridge. But as mentioned JM did not want to take any responsibility of re-starting/taking the fuse.

I can now start all 4 steeringpumps on the bridge,

- Stb 1 Does not work together with autopilot and manual tiller, on in NFU. But here rudders slowly move to stb. One rudder moves slower than the other, and after some seconds the rudders start getting separate and eventually totally crossed. To centralize them I can activate manual tiller, and both goes to 0, but I cannot use this tiller to move the rudder. Then I have to go back to NFU
- Stb 2 Freeze and gives alarm under start up. After starting steering pumps 30min before departure we have not had any alarms or failures. All failures has been during the first 15-20 minutes after start-up
- Port 1 Never had any issues with this on. But does not work together with stb 1.
- Port 2 Same as Stb 1

Program logic says only one pump in operation. Not possible to operate with two pumps on same rudder. This is all fine, no problem.

All steering gears can be operated locally, and we have trained crew to operate emergency steering.

Brgds

Esben

From: Esben Engelstad | Vestland Marine <esben@vestlandmarine.eu>

Sent: Saturday, February 24, 2024 11:43 AM

To: Marco Coppola | Vestland Marine <marco.coppola@vestlandmarine.eu>

Cc: Per Brag <per@shipping.fo>; technical <technical@vestlandmarine.eu>

Subject: Re: Steering gear scan

Understood

I will scan more from the manual!

Will also send info on PLC, as I believe we need to get these checked and possibly change batteries

It may be very complicated to restore functions if we loose these programs

Will update you on progress later today

Mvh/Esben

24. feb. 2024 kl. 11:29 skrev Marco Coppola | Vestland Marine
<marco.coppola@vestlandmarine.eu>:

Esben,
we have no PLC program copied.
Batteries was not changed during rebuilding
Maker is not existing anymore

if they will not manage today, next saturday I will try to get someone from Poland expert in automation.
ideal would be to have scanned copied of the whole steering system for have them to study before travelling

Best Regards

Marco Coppola

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From: Esben Engelstad | Vestland Marine <esben@vestlandmarine.eu>
Sent: Saturday, February 24, 2024 11:17 AM
To: Marco Coppola | Vestland Marine <marco.coppola@vestlandmarine.eu>; Per Brag <per@shipping.fo>; technical <technical@vestlandmarine.eu>
Subject: RE: Steering gear scan

Hi Marco,

JM Hansen has two persons onboard to continue the work here.
Earlier Andrej say that have restarted the PLC and by removing the fuse. JM is a bit sceptic to do this but there are presently faults on the PLC on the bridge.
Maybe it will help to restart, but there is a risk that the memory battery is not working.
Do you know if these batteries have been changed lately?
If no, they should be planned replaced, but before that, we should have copy of the PLC program.

The program may get lost if PLC loose power and battery have no power....

It would be very good to know if this program is password protected, and if so, is it possible to retrieve from somewhere?

Or, if someone already have backup of the PLC programs for the vessel?

Brgds
Esben

From: Marco Coppola | Vestland Marine <marco.coppola@vestlandmarine.eu>

Sent: Thursday, February 22, 2024 8:27 AM

To: Per Brag <per@shipping.fo>; technical <technical@vestlandmarine.eu>

Subject: Re: Steering gear scan

Thanks Per,
let me see first if i can solve in Tromso, either Poland.
If the maker of the unit was available, than was an easier task.

will let you know soon

Best Regards

Marco Coppola

<image002.png>

Vestland Marine

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From: Per Brag <per@shipping.fo>

Sent: Thursday, February 22, 2024 8:15 AM

To: Marco Coppola | Vestland Marine <marco.coppola@vestlandmarine.eu>; technical <technical@vestlandmarine.eu>

Subject: SV: Steering gear scan

Hello.