

RE: Steering issue

cheng@vex.vestlandmarine.eu <cheng@vex.vestlandmarine.eu>

Thu 2024-02-22 9:10 AM

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

Good morning, Marco.

You understand correct everything, and service company correct to, I bin check already several time control valves and hydraulic system, its ok everything.

Have a nice day.

BRGDS

Andrej

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

Sent: Thursday, February 22, 2024 08:57

To: cheng@vex.vestlandmarine.eu

Cc: bridge@vex.vestlandmarine.eu; Jarle Rasmussen | Vestland Marine <jarle.rasmussen@vestlandmarine.eu>

Subject: Re: Steering issue

Andrej,

pls see my in RED

Best Regards

Marco Coppola



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marco@vestlandmarine.eu

From: cheng@vex.vestlandmarine.eu <cheng@vex.vestlandmarine.eu>

Sent: Wednesday, February 21, 2024 7:57 PM

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

Cc: bridge@vex.vestlandmarine.eu <bridge@vex.vestlandmarine.eu>

Subject: RE: Steering issue

Good evening.

I make comments in green color.

Have a nice evening.

BRGDS

Andrej

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

Sent: Wednesday, February 21, 2024 18:13

To: cheng@vex.vestlandmarine.eu; master@vex.vestlandmarine.eu

Cc: Jarle Rasmussen | Vestland Marine <jarle.rasmussen@vestlandmarine.eu>

Subject: Steering issue

Hi guys,

i will write below what i have understood re the problem and pls correct where i am wrong.

Steering System

2 pump for each rudder(yes is correct) STBD 2 and PORT 1 / STBD1 and PORT 2 PARTNERS

At beginning of the operation we get a faulty signal on the bridge console that one of the pump for each rudder was faulty and could not be started from the bridge.

when we are locally in the steering gear the faulty pump can be started manually without problem

(pls write down which pump was faulty for each side)

Pumps you can start and stop without problem from the bridge always, only now control of rudders STBD1 and PORT 2

So, if understood correct what you say, the pump itself (means the electric motor and the hydraulic pump can be started from the bridge but you have no control of rudder itself due to lack of 24V on the electrovalve actuator).

Yes, is correct

first attempt.

the solenoid valve from the faulty pump was exchanged with the one working but the problem was still there .YES

second attempt.

JM remove the electronic cards controlling this pump and sent for repair. the vessel was sailing without issue but with one pump operative for each rudder. STBD 2 and PORT 1 partners(we use all the time from last year July)

third attempt

JM returned the cards where they said some items was replaced because faulty but when installed the problem was still there. Yes is correct .Last Saturday Also they change cards form starting cabinets working pumps to non-working ones, still not get control of valves 24V

Today

since few days, after the faulty cards has been installed back, we are facing another issue.

on the STB rudder, working with one pump only, in manual steering and as well in autopilot, sometimes the rudder is freezing (pump not working) and you need to restart the pump again. not always the pump become ready to work.

do i am right? NO,

Pump STBD NR2 is working all the time when you switch on. and you can operate manually from steering room all the time(emergency steering)

We have problems with electronic control and also you get alarm on the bridge and in engine room the same time(error in steering system) problem is we lost power supply to control valve 24V .After wen you switch off the pump and wait little bit you start again pump,get control of rudder

Pump PORT NR 1 working good

As per what i can see the issue is with the missing 24V on the valve, that the pump is starting doesn't give you anything if there is no control on it.

so we can say that the first issue was with one pump on each side, which lost from bridge the control of steering due the missing 24V on the valve.


now, the STB2 when freezing, also the problem is in the missing 24V.Yes is correct


According JM (spoke with them yesterday), they mention something about faulty element between the steering room and the bridge that they are looking for...

Best Regards

Marco Coppola

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