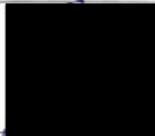



EDA: 15-Jul-2021
 Vessel: JALMA TOPIC
 Agents: NL 985-764-1105
 Authorized by: Crystal Pileggi
 Phone: 713 378 2173
 Port-dock: Algiers BK



WORK ORDER

Service Call I.D.: NOL0301637
 Invoice to: Radio Holland USA Inc. -
 Houston Office
 Customer ID: 148560
 PO #: P-GETS57800251
 Location: Mackay - New Orleans

PROBLEM DESCRIPTION		EQUIPMENT BRAND AND MODEL	SERIAL NO.
		YOKOGAWA/PT500A - N2	
<i>We certify that the work and material described below is accurate.</i>			
Service Engineer		Vessel Representative	Ships Stamp
Service Engineer Darius Ascani Date: 15-Jul-2021			
Description of Work Performed: Identify: (a) the date (b) equipment (c) cause (d) resolution			
<p><u>Dispatch Note:</u> YOKOGAWA PT500D-J-N2 service</p> <p><u>Attending Note:</u> Attended vessel at Buck Kreihls Dock. Verified operation of steering. Found when pump 1 is in operation rudder drives hard port with no wheel command. Opened steering amplifier 1 and tested feedback signal in NFU mode. Found feedback signal smooth from port to starboard. Check helm command in FU mode at manual terminal board. Found no command given to rudder. Removed relays from amplifier 1 and checked with multimeter. Found port relay contact always closed. Replaced both relays from vessels spares. Tested operation of system 1. All functions of steering system 1 check normal at this time. Made complete steering test in all modes and pumps. Found steering operation now normal. All functions of steering check good at this time. Had meeting with USCG and the NTSB on details of steering failure.</p>			
Parts and Material List			
Qty	Stock No.	Description	Serial No.
2		SOLID STATE RELAY	
Engineer's Time and Travel			
Arrived		Departed	Job
Travel		Shop/Wait	Travel Charges
Date	MSE	Port	Job
		Job	Port
		Reg.	OT
		Reg.	OT
		Reg.	OT
		Type	Miles
		Tolls	
15-Jul-2021	DDA	10:00	10:30
		15:30	16:00

THE GENERAL CONDITIONS PRINTED ON THE LAST PAGE OF THIS WORK ORDER CONSTITUTE PART OF THIS WORK ORDER

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