

Dietrich Giles

From: [REDACTED]
Subject: FW: Port Gen Ocean Navigator

From: Logan Hall [REDACTED]
Sent: Friday, November 3, 2023 11:17 AM
To: [REDACTED]
Subject: Re: Port Gen Ocean Navigator

Dietrich,

Please see the Tech notes listed below.

TECHNICIAN BOOKED FLIGHT AND RENATAL CAR PACKED AND MADE WAY TO THE AIRPORT CUAGHT PLANE AND LANDED IN BANGOR MAINE AND DROVE TO PORTLAND AND GAINED ACCESS TO THE SHIP BOARDED AND WENT TO STATEROOM. NEXT DAY TECHNICIAN SPOKE WITH THE CHIEF ENGINEER AND MADE WAY TO THE ENGINE ROOM, AND TOOK AN ASSESSMENT OF THE DAMAGE OF THE PORT GENERATOR AND THE STBD MAIN ENGINE. TECHNICIAN TRIED TO HOOK UP LAPTOP TO THE PORT GENERATOR AND HAD TO HAVE THE ELECTRICIAN TURN ON POWER TO THE CONTROL PANEL FROM THE BATTERY CHARGER AND TECHNICIAN WAS ABLE TO COMMUNICATE TO THE ECM ALTOUGH THE MAIN ENGINE WIRING HARNESS HAS BEEN BURNT AND WOULD NEED TO BE REPLACED. THE POWER KEPT TRIPPING OUT ON THE EMS CIRCUIT BREAKER IN THE CAT CONTROL PANEL TECHNICIAN TROUBLESHOT AND FOUND THAT THE ESTOP SWITCH TO BE MALFUNCTIONING AND WOULD NEED TO BE REPLACED. THE MONTIOR FOR THE ENGINE CONTROL PANEL AND FILM GOT BURNT AND TECHNICIAN RECOMMENDS FOR IT TO BE RELACED. TECHNICIAN THEN HOOKED LAPTOP UP TO THE STABD MAIN ENGINE AND FOUND THAT IT HAD ACTIVE FAULT CODE FOR 5VDC POWER SUPPLY LOW, AND NONE OF THE ANALOG SENSORS WERE COMMUNICATING SO TECHNICIAN TROUBLESHOT THE ISSUE AND FOUND THAT THE LEFT-HAND TURBO INLET SENSOR GOT BURNT AND WAS NO READING PROPERLY AND WAS AFFECTING ALL OF THE OTHER ANALOG SENSORS. TECHNICIAN SPOKE WITH THE 2ND ENGINEER AND ASKED IF THEY HAD A SNESOR ON HAND ON THE SHIP AND THEY DID AND TECHNICIAN CHANGED OUT THE SENSOR AND IT TOOK CARE OF THE ACTIVE FAULT CODE. TECHNICIAN CONTINUED TO TROUBLESHOOT THE PORT GEN ELECTRICAL PROBLEM TO CONFIRM THAT THE ESTOP SWITCH WAS BAD. TECHNICIAN THEN MADE A PRTS LIST AND PROVIDED LIST TO THE PSSR TO GET A QUOTE TOGETHER FOR THE CUSTOMER.

Good Morning,

After accessing the damage on the engines here is a list of what is going to need to be done to make things sea worthy.

Port Genset 9AN00184

Replace The Monitor and film in the Control Panel

Replace the crank case ventilation piping to the air box, and to the valve covers

Replace the Air Filters

I can communicate with CAT ET but the Emergency shut down relay circuit breaker keeps tripping killing power to the control panel Will need more time to troubleshoot.

Starboard Genset 9AN00185

Replace Cylinder Block

Replace Crankshaft

Replace Cylinder packs

Replace Heads

Replace injectors

Replace turbos

pretty much a complete major overhaul with a new block

Starboard Main Engine 8kn00397

2 diodes on the wiring harness need to be changed

I can communicate to it with CAT ET but the 5vdc power supply has an active fault code and none of the sensors are reading. will need time to troubleshoot.

Port Main Engine 8kn00396

I have not been able to communicate to it yet but as soon as I can, I will update further. Also I am attaching the PSR's to this email for the Port Generator and the Starboard Main engine.

Logan Hall | Marine / Industrial PSSR

Blanchard Energy

