

Ship Name: **PVT SOLANA**

Ship Type: **Chemical Tankship**

Flag: **Panama**

IMO Number: **9391531**

Date of Action: **5/12/2024**

Action Taken: **Detention**

Port: **Houston, Texas**

Unit: **Sector Houston-Galveston**

Recognized Org: **Lloyd's Register**

Recognized Security
Organization (RSO):

Recognized Org
(RO) Related: **Class Related**

Relevant Certificates: **ISM - Safety Management Certificate**
SOLAS Cargo Ship Safety Equipment
SOLAS Cargo Ship Safety Construction
International Certificate of Fitness

Organization Related
to Detention: **Lloyd's Register**

Nippon Kaiji Kyokai

Ship Management: Owners, Operators, or Managers

**Petrovietnam Transportation Corp (PV
TRANS)**

**Southern Petroleum Transportation JSC
(PVTrans Petro)**

Deficiencies: Code - Category

**07108 - Ready availability of fire
fighting equipment**

Description

**Firefighting systems and appliances shall be kept in good
working order and readily available for immediate use.**

**PSCO observed vessels hyper-mist system set to manual.
Additionally, PSC observed multiple hyper-mist nozzles
blocked with rust and saltwater buildup, preventing any
flow to the nozzle above the incinerator and restricting
flow above boiler.**

RO Association: Lloyd's Register

**07109 - Fixed fire extinguishing
installation**

**Firefighting systems and appliances shall be kept in good
working order and readily available for immediate use.**

**PSCO observed local controls and pilot cylinder for the
emergency diesel generator fixed CO2 system seized
shut. Additionally, PSCO observed, activator valve
handles painted and seized in the closed position.**

RO Association: Lloyd's Register

09209 - Electrical

Electrical equipment, cables, and wiring shall not be installed in the hazardous locations unless it conforms with the standards not inferior to those acceptable to the organization.

PSCO observed severe wastage to electrical runs, including flexible conduit within the hazardous area indicated in the vessels approved hazardous location plan specifically,

- Temp sensor (discharge) to slop port Framo pump, starboard slop junction box, two starboard tank radar, one starboard temperature sensor;
- Bolts missing on Ballast Water tank six starboard tank level sensor, bolt missing on temperature sensor three port, bolt missing ballast wing tank two port tank level sensor;
- Bonding strap above tank one starboard, ground wires disconnected to forward, starboard explosion proof light, and to deck crane motor controller ;
- Finally, PSCO observed cracked explosion proof light on the forward port side forecastle bulkhead. PSCO traced to the intrinsically safe circuits back to the electrical panel, located in cargo control room, and observed faults on four isolation devices compromising the circuit.

RO Association: Lloyd's Register

07102 - Inert gas system

For tankers of 20,000 tons deadweight and upwards the protection of the cargo tank shall be achieved by fixed inert gas system in accordance with the requirements of the Fire Safety Systems Code.

PSC observed vessel's inert gas generator inoperable. The crew identified the gas regulating valve was not functioning properly on 24 January 2024 and notified Company without rectification.

RO Association: Lloyd's Register

08108 - UMS - alarms

Bilge Wells in periodically unattended machinery spaces shall be located and monitored in such a way that the accumulation of liquids is detected at normal angles of trim and heel.

PSCO observed crew unable to activate bilge alarms.

RO Association: Lloyd's Register

15109 - Maintenance of the ship and equipment

The company should establish procedures to ensure that the ship is maintained in conformity with the provisions of the relevant rules and regulations and with any additional requirements which may be established by the company. The technical and or operational nature of deficiencies 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13,16 and 17 provide objective evidence of a serious failure of the implementation of the ISM code. An external audit report satisfactory to the OCMI must be submitted prior to the clearance of this deficiency.

RO Association: Nippon Kaiji Kyokai (Class NK)