

Ship Name: **ZIM PUSAN**

Ship Type: **Containership**

Flag: **Liberia**

IMO Number: **9200706**

Date of Action: **11/1/2023**

Action Taken: **Detention**

Port: **Staten Island, New York**

Unit: **Sector New York**

Recognized Org: **DNV**

Recognized Security
Organization (RSO):

Recognized Org
(RO) Related: **Not Class Related**

Relevant Certificates:

Organization Related
to Detention:

Ship Management: Owners, Operators, or Managers

**CONTI Croce Schiffahrts-GmbH & Co. KG
MS "CONTI FR**

NSB Niaderelbe Schiffahrts GmbH & Co

Charterers

Maersk Line Limited

Deficiencies: Code - Category

**15109 - Maintenance of the ship and
equipment**

**07126 - Oil accumulation in engine
room**

Description

The company and the ship shall comply with the requirements of the International Safety Management Code. For the purpose of this regulation, the requirements of the Code shall be treated as mandatory. The Company should identify equipment and technical systems the sudden operational of failure which may result in hazardous situations. The safety management system should provide for specific measures aimed at promoting the reliability of such equipment or systems. PSCOs observed severe degradation of the main engine high-pressure fuel delivery jacketing lines and the associated fuel oil piping. The failure of the jacketed piping allowed oil to leak onto the heated surfaces of the main engine casing. After reviewing the ship's maintenance procedures, routine maintenance was being conducted with the last servicing of the cylinders being March 2023. However, the SMS did not specifically address the fuel delivery system piping, therefore routine maintenance was not conducted on this critical system. Based on the overall material condition of the fuel delivery system as sustained by the objective evidence cited above, an external audit is required.

All external high-pressure fuel delivery lines between the high-pressure fuel pumps and fuel injectors shall be protected with a jacketed piping system capable of containing fuel from a high-pressure line failure. 7 out of the 10 high-pressure fuel delivery jacketing lines for main engine cylinders were found leaking, repaired with patches, missing bolts, and wasted to the extent that the fuel lines were exposed. One area of main engine fuel injector supply piping was missing all required bolts for installation and was being secured to the main engine by a natural rope. The condition of the jacket piping exposed the fuel lines which caused chaffing and allowed fuel oil to leak onto main engine casing and containment.

**07117 - Jacketed high pressure lines
and oil leakage a**

**Oil fuel lines shall be suitably protected to avoid, as far
as practicable, oil spray or oil leakages onto hot surfaces.
Damaged high pressure fuel delivery lines are causing
fuel oil to leak onto heated main engine components.**