



PSC Prediction Report

Vessel Name: XXXXXXXXXXXXXXXXXXXX
Vessel IMO: XXXXXXXX
Vessel Flag: XXXXXXXXXXXXXXXXXXXX
Vessel Type: XXXXXXXXXXXXXXXXXXXX
Vessel Year Built: XXXX
Vessel DWT: XXXXXX
Call Port: XX
Data Depth (Months): XX
Issue Date: XX/XX/XXXX XX:XX

Legal Notice

1. Nature of Service. VesselPSC is an independent analytical tool. It is not affiliated with, endorsed by, or authorized by any government agency, maritime authority, or Port State Control (PSC) organization. The insights provided are generated through statistical algorithms based on historical data and current market trends.
2. Accuracy of Information The reports generated are for advisory and educational purposes only. While we strive for high accuracy, these reports represent a statistical probability and not a guarantee of inspection outcomes. Maritime regulations and inspector focus areas are subject to change without notice.
3. Limitation of Liability. VesselPSC and its developers shall not be held liable for any:
 - Deficiencies or detentions issued during an actual inspection.
 - Financial losses, off-hire costs, or operational delays.
 - Decisions made by the shipowner, operator, or crew based on the report's findings.
4. Final Responsibility. The ultimate responsibility for the vessel's compliance with international conventions (SOLAS, MARPOL, STCW, MLC, etc.) rests solely with the Shipowner, the Management Company, and the Vessel's Master. This tool does not replace the mandatory pre-arrival checklists and safety management system (SMS) procedures.

Disclaimer

The results generated by this report are estimates based on historical data and algorithmic analysis and are provided for informational purposes only. They do not constitute a guarantee, a definitive prediction, or binding advice. The user bears full responsibility for any decision made based on these results. The company assumes no liability for any direct or indirect damages that may arise from the use of this functionality.



Code: 02108
Description: STRUCTURAL CONDITIONS (Electrical installations in general)
Convention: SOLAS
Regulation: SOLAS Chapter II-1
Title: Deficiencies related to the general condition, installation, and maintenance of electrical installations on board the ship affecting structural safety
Typical Causes: Poor maintenance of electrical wiring and equipment, Corrosion or damage to electrical installations, Inadequate compliance with electrical safety standards
Risk Level: High
Detention Prob.: 7.25
Corrective Actions: Repair or replace defective electrical installations, Conduct thorough inspections and maintenance of electrical systems, Ensure compliance with relevant electrical safety codes
PSC Short text: Electrical installations structural deficiency

Code: 07199
Description: FIRE SAFETY (Other (fire safety))
Convention: SOLAS
Regulation: SOLAS Chapter II-2
Title: Fire safety deficiencies not covered by specific categories, including overall fire safety management and compliance
Typical Causes: 'Incomplete fire safety equipment', 'Non-compliance with fire safety procedures', 'Lack of proper fire safety maintenance'
'Risk Level: High
Detention Probability: 6.76
Corrective Actions: 'Rectify fire safety equipment deficiencies', 'Enhance fire safety drills and training', 'Conduct fire safety audits and maintenance'
PSC Short text: Other fire safety deficiency

Code: 13199
Description: PROPULSION AND AUXILIARY MACHINERY (Other (machinery))
Convention: SOLAS
Regulation: SOLAS Chapter II-2
Title: 'General deficiencies related to propulsion and auxiliary machinery not otherwise specified'
Typical Causes: Machinery malfunction or lack of maintenance', 'Non-compliance with



machinery operational standards', 'Inadequate spare parts or equipment'

Risk Level: Standard
Detention Probability: 5.31
Corrective Actions: 'Repair or maintenance of machinery', 'Verify proper operation and compliance', 'Provide necessary training to crew'
PSC Short text: 'Other machinery deficiencies'

Code: 18413
Description: LABOUR CONDITIONS-HEALTH PROTECTION, MEDICAL CARE, SOCIAL SECURITY (Warning notices)
Convention: 'MLC'
Regulation: 'MLC Regulation 4.1'
Title: 'Deficiency related to the absence or improper display of mandatory warning notices for health protection, medical care, and social security.'
Typical Causes: 'Missing or unclear warning signs', 'Failure to comply with MLC notice requirements', 'Inadequate crew awareness'
'Risk Level: 'Low'
Detention Probability: 3.38
Corrective Actions: 'Display all required warning notices clearly', 'Ensure notices are in languages understood by crew', 'Regularly audit compliance with posting requirements'
PSC Short text: 'Missing or improper warning notices'

Code: 18324
Description: LABOUR CONDITIONS-ACCOMMODATION, RECREATIONAL FACILITIES, FOOD AND CATERING (Cold room, cold room cleanliness, cold room temperature)
Convention: 'MLC'
Regulation: 'MLC Regulation 3.2'
Title: 'Deficiencies in cold rooms relating to hygiene, cleanliness, or inadequate temperature control affecting food safety and crew welfare.'
Typical Causes: 'Poor cleaning practices', 'Malfunctioning refrigeration equipment', 'Insufficient temperature monitoring'
'Risk Level: 'Standard'
Detention Probability: 3.38
Corrective Actions: 'Clean and disinfect cold rooms regularly', 'Repair or maintain refrigeration units', 'Implement procedures for temperature control monitoring'
PSC Short text: 'Cold room hygiene and temperature issues'



Code: 13101
Description: PROPULSION AND AUXILIARY MACHINERY (Propulsion main engine
Convention: SOLAS
Regulation: 'SOLAS Chapter II-1'
Title: 'Deficiencies related to the propulsion main engine including operation, maintenance, and condition affecting vessel safety.'
Typical Causes: 'Main engine malfunction or poor maintenance', 'Lack of spares or tools for repair', 'Non-adherence to operational procedures'
'Risk Level: 'High'
Detention Probability: 3.38
Corrective Actions: 'Conduct repairs and maintenance on main engine', 'Ensure proper training and procedures for engine operation', 'Maintain adequate spare parts inventory'
PSC Short text: 'Main engine deficiencies'

Code: 06104
Description: CARGO OPERATIONS INCLUDING EQUIPMENT (Lashing material)
Convention: SOLAS
Regulation: 'SOLAS Chapter VI
Title: 'Deficiencies regarding the condition, availability, or suitability of lashing materials used for securing cargo.'
Typical Causes: 'Worn or damaged lashing gear', 'Insufficient quantity of lashing material', 'Non-compliance with cargo securing manuals'
'Risk Level: 'Standard'
Detention Probability: 3.38
Corrective Actions: 'Replace or repair lashing materials', 'Stock adequate lashing gear for the cargo', 'Follow cargo securing guidelines and manuals'
PSC Short text: 'Inadequate or defective lashing material'

Code: 11101
Description: LIFE SAVING APPLIANCES (Lifeboats)
Convention: SOLAS
Regulation: 'SOLAS Chapter III
Title: 'Deficiencies observed in lifeboats, including condition, maintenance, launching appliances, and readiness.'
Typical Causes: 'Corrosion or physical damage to lifeboats', 'Non-functional launching



mechanisms', 'Lack of periodic testing and drills'

'Risk Level: 'High'
Detention Probability: 2.9
Corrective Actions: 'Repair or replace faulty lifeboats or equipment', 'Conduct regular inspections and drills', 'Maintain launching appliances in good working order'
PSC Short text: 'Lifeboats condition and readiness'

Code: 07118
Description: FIRE SAFETY (International shore-connection)
Convention: SOLAS
Regulation: 'SOLAS Chapter II-2, Regulation 14'
Title: 'Deficiencies related to the international shore connection for fire-fighting water supply, affecting fire safety readiness.'
Typical Causes: 'Damaged or missing shore connection', 'Incompatibility with shore fire main connections', 'Poor maintenance or blockage'
'Risk Level: 'Standard'
Detention Probability: 2.9
Corrective Actions: 'Provide and maintain compliant international shore connections', 'Inspect and test connections regularly', 'Ensure compatibility and accessibility'
PSC Short text: 'Deficiency of international shore connection'

Code: 03108
Description: WATER/WEATHERTIGHT CONDITIONS (Ventilators, air pipes, casings)
Convention: SOLAS
Regulation: 'SOLAS Chapter II-1, Regulation 13'
Title: 'Deficiencies in ventilators, air pipes, or casings that compromise water or weather tightness of the ship.'
Typical Causes: 'Structural damage or corrosion', 'Improper closure or fittings', 'Lack of regular maintenance'
Risk Level: 'High'
Detention Probability: 2.9
Corrective Actions: 'Repair or replace damaged components', 'Ensure proper fitting and sealing', 'Maintain regular inspections'
PSC Short text: 'Ventilators water/weathertight deficiency'



Code: 07105
Description: FIRE SAFETY (Fire doors/openings in fire-resisting divisions)
Convention: SOLAS
Regulation: 'SOLAS Chapter II-2'
Title: 'Deficiencies regarding fire doors or other openings in fire-resisting divisions, if they are non-functional or compromised.'
Typical Causes: 'Damaged or missing fire doors', 'Doors left open or inadequately secured', 'Faulty closing mechanisms'
Risk Level: 'High'
Detention Probability: 1.93
Corrective Actions: 'Repair or replace fire doors', 'Ensure doors are kept closed and secured', 'Perform regular functional testing'
PSC Short text: 'Fire doors/openings deficiencies'

Code: 03102
Description: WATER/WEATHERTIGHT CONDITIONS (Freeboard marks)
Convention: SOLAS
Regulation: 'SOLAS Chapter II-1, Regulation 7'
Title: 'Deficiencies related to the condition, visibility, or incorrect marking of freeboard marks on the hull.'
Typical Causes: 'Faded or incorrect freeboard markings', 'Damaged hull area around marks', 'Non-compliance with marking regulations'
'Risk Level: 'Standard'
Detention Probability: 1.93
Corrective Actions: 'Repaint or replace freeboard marks', 'Inspect and maintain hull areas', 'Ensure compliance with freeboard regulations'
'PSC Short text: 'Freeboard mark deficiencies'

Code: 13103
Description: PROPULSION AND AUXILIARY MACHINERY (Gauges, thermometers, etc)
Convention: SOLAS
Regulation: 'SOLAS Chapter II-1'
Title: 'Deficiencies related to measuring and control instruments of propulsion and auxiliary machinery such as gauges and thermometers.'
Typical Causes: 'Malfunctioning or inaccurate instruments', 'Lack of calibration or maintenance', 'Missing instruments'
Risk Level: 'Standard'
Detention Probability: 1.93
Corrective Actions: 'Calibrate or replace defective instruments', 'Maintain regular



'PSC Short text: functional checks', 'Install missing necessary instruments'
'Faulty machinery gauges and instruments'

Code: 07101
Description: FIRE SAFETY (Fire prevention structural integrity)
Convention: SOLAS
Regulation: 'SOLAS Chapter II-2'
Title: 'Deficiencies involving compromised structural integrity that reduces fire prevention capabilities.'
Typical Causes: 'Damaged fire-resistant bulkheads', 'Structural modifications weakening fire barriers', 'Corrosion or holes in fire-resisting structures'
Risk Level: 'High'
Detention Probability: 1.93
Corrective Actions: 'Repair or restore fire-resisting structures', 'Ensure compliance with fire prevention standards', 'Conduct structural integrity assessments'
'PSC Short text: 'Compromised fire prevention structure'

Code: 04118
Description: EMERGENCY SYSTEMS (Enclosed space entry and rescue drills)
Convention: SOLAS
Regulation: 'SOLAS Chapter III'
Title: 'Deficiencies in carrying out enclosed space entry and rescue drills as part of emergency preparedness.'
Typical Causes: 'Lack of regular drill practice', 'Inadequate crew training', 'No procedures or records of drills'
Risk Level: 'Standard'
Detention Probability: 1.93
Corrective Actions: 'Conduct regular enclosed space entry and rescue drills', 'Train crew on proper procedures', 'Maintain records of drills'
'PSC Short text: 'Enclosed space drills deficiencies'

Code: 02108
Description: STRUCTURAL CONDITIONS (Electrical installations in general) (02.12.2025)
Convention: SOLAS
Regulation: 'SOLAS Chapter II-1'
Title: 'Structural deficiencies related to electrical installations on the ship as noted on 02.12.2025, requiring timely correction.'



Typical Causes: 'Aging electrical infrastructure', 'Delayed maintenance or repairs', 'Non-compliance with updated standards']

Risk Level: 'High'

Detention Probability: 1.45

Corrective Actions: 'Immediate repair or replacement of electrical installations', 'Implement updated maintenance schedules', 'Ensure adherence to current electrical standards'

PSC Short text: 'Electrical installation structural deficiency'

Code: 07126

Description: FIRE SAFETY (Oil accumulation in engine room)

Convention: SOLAS

Regulation: 'SOLAS Chapter II-2'

Title: 'Hazardous accumulation of oil in the engine room compromising fire safety.'

Typical Causes: 'Oil leaks from machinery', 'Spillage during maintenance operations', 'Insufficient cleaning routines'

Risk Level: 'High'

Detention Probability: 1.45

Corrective Actions: 'Clean oil accumulations immediately', 'Identify and repair oil leaks', 'Implement rigorous cleaning and maintenance procedures'

PSC Short text: 'Engine room oil accumulation'

Code: 18414

Description: LABOUR CONDITIONS-HEALTH PROTECTION, MEDICAL CARE,SOCIAL SECURITY (Protection machines/parts)

Convention: 'MLC'

Regulation: 'MLC Regulation 4.1'

Title: 'Deficiencies in protective measures for machinery and parts affecting health and safety of the crew.'

Typical Causes: 'Missing guards or safety devices', 'Worn or ineffective protection equipment', 'Non-compliance with safety regulations'

Risk Level: 'Standard'

Detention Probability: 1.45

Corrective Actions: 'Install or repair machinery protection devices', 'Ensure crew are trained on safety measures', 'Regularly audit safety equipment and procedures'

PSC Short text: 'Inadequate machinery protection'



Code: 04114
Description: EMERGENCY SYSTEMS (Emergency source of power - Emergency generator)
Convention: 'SOLAS'
Regulation: 'SOLAS Chapter II-1'
Title: 'Deficiencies in the emergency generator or other emergency power sources affecting the ship's emergency systems.'
Typical Causes: 'Non-operational emergency generator', 'Fuel supply or starting system faults', 'Lack of testing and maintenance'
Risk Level: 'High'
Detention Probability: 1.45
Corrective Actions: 'Repair or replace emergency generator', 'Ensure proper fuel supply and starting mechanisms', 'Conduct regular testing and maintenance'
PSC Short text: 'Emergency power source deficiencies'

Code: 04103
Description: EMERGENCY SYSTEMS (Emergency, lighting, batteries and switches)
Convention: 'SOLAS'
Regulation: 'SOLAS Chapter II-1'
Title: 'Deficiencies in emergency lighting systems including batteries, lamps, and switches that ensure safe evacuation and operation.'
Typical Causes: 'Discharged or faulty batteries', 'Burnt out or missing lamps', 'Malfunctioning switches or circuit faults'
Risk Level: 'High'
Detention Probability: 1.45
Corrective Actions: 'Replace batteries and lamps', 'Repair or replace faulty switches', 'Conduct regular emergency lighting tests'
PSC Short text: 'Emergency lighting system deficiencies'