Tokyo MOU

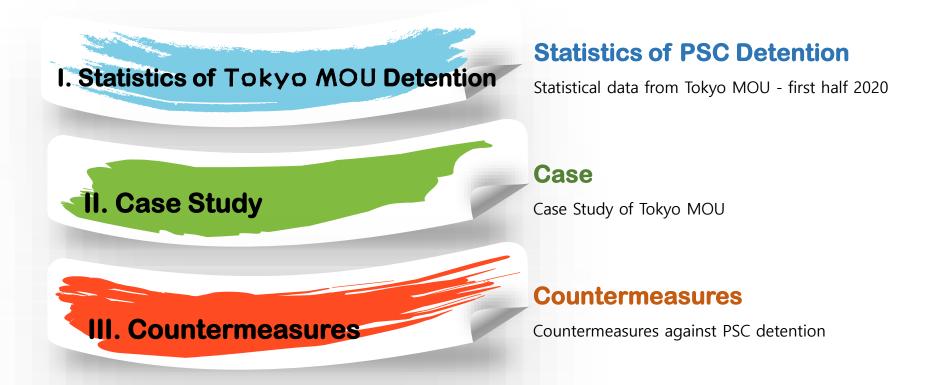


Case Study PSC Detentions

KR Survey Team

August 2020

Contents

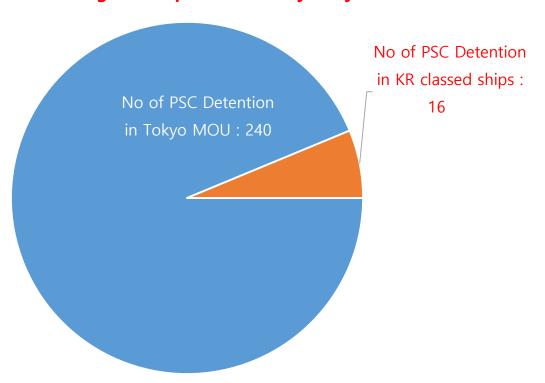






KR PSC Performance in Tokyo MOU (2020.01 ~ 2020.06)

Percentage of ships detained by Tokyo MOU



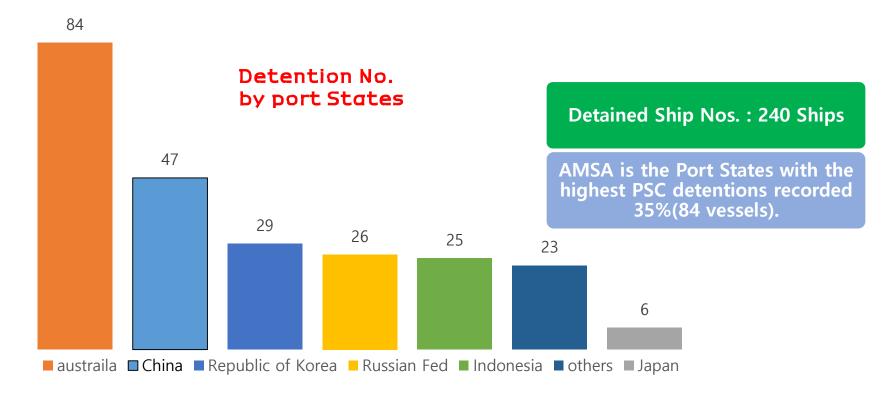
Detentions: 16 ships registered in KR

Category

- Fire Safety & Life Saving
- Safety of Navigation
- Pollution Prevention
- ISM and others

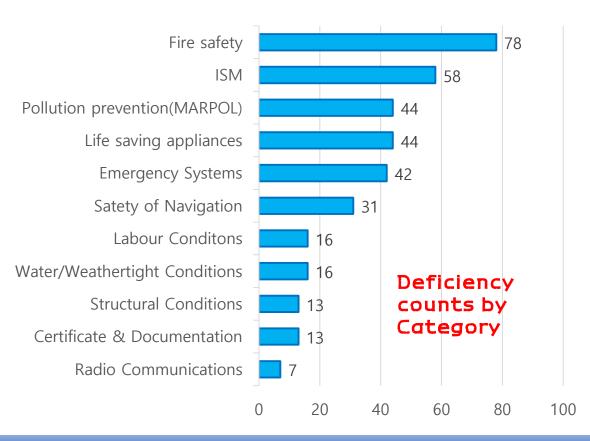


Detentions by Port Authorities (2020.01 - 2020.06)





Detainable Deficiencies by Categories in Tokyo MOU (2020.01 - 2020.06)



Detained Ship Nos.: 240 Ships

A total of **557** Detainable Deficiencies recorded

Top Three Categories of Detainable Deficiencies

- **1.** Fire Safety (14.0%)
- 2. ISM (10.4%)
- 3. Life Saving, Pollution (7.8%)



Details of Detainable Deficiencies reported in Tokyo MOU

Deficiency Categories	Details
Fire Safety	 Engine room fan dampers defective & unable to be closed from F.C.S Damper located in protected space and unable to accessed outside Emergency fire pump unable to started A-60 fire door damaged / remained holes by self modification Funnel damper, Ventilator unable to close
ISM	 Chief engineer and engineer in charge not familiar with auto start E'cy generator Maintenance of shipboard equipment is not effectively implemented
Life Saving	 Safety net for gangway ladder not fitted properly Stored mechanical power for Rescue boat launching appliance not proper for emergency use Engine for lifeboat & rescue boat unable to start Lifeboat on-load release system arrangement defective
Safety of Navigation	 Admiralty notice to mariners not up-to-date Nautical publications necessary for the last and intended voyage not updated Liquid of magnetic compass has bubble Voyage plan was not covered berth to berth



Details of Detainable Deficiencies reported in Tokyo MOU

Deficiency Categories	Details
Pollution Prevention	 Oil discharged to port by mistake Sulphur content of fuel oil exceed 0.5% by potable analyzer Sewage Treatment Plant defective Untreated sewage discharged to port
Load Line	 Air pipe of numerous ballast tank on deck defective Numerous hatch cleats defective & dogs missing Rubber & washer for C/H hatch cover perished
Emergency System	 M/E Over-speed simulation trip failed Remote closing isolation valve of G/E fuel oil supplying line not closed
Cert/Document	 Safe manning certificate expired Deck log book not signed by master No certificate(Renewal survey) shall be extended for a period of longer than 3 month(SOLAS Ch.1/reg.14.(e)) / before COVID-19 pandemic
Labor Conditions	 Multiple seafarers not paid, in full, in accordance with seafarer employ contract Watch handed over to an officer impaired with alcohol Only one officer keeping navigation watch at night





Case 1. Substantial corrosion on Air pipe, C/H hatch & its securing device



Overview

o Ship type: BULK CARRIER

o Date: 2020.01

o Place: CAIRNS, AUSTRALIA

o Detained due to 'Overall & H eavy corrosion at ICLL facilities on upper deck : Air pipe, C/H Hatch Cover &

its securing devices



Cause & Action

The ICLL facilities on deck overall corrosion due to insufficient maintenance by regular interval.

No evidence was presented to confirm that the Master had ma de, any reasonable efforts to carr y out what the Port State – prior to the detention



Measures

The ICLL related items on exposed deck shall be regularly fixed by determining the speed of corrosion, and shall be kept clean during the PSCO onboard.

Maintaining cleanliness so that more diverse detailed inspection are not carried out through small matter on deck.



Case 2. Both lifeboats engine starting failed



Overview

o Ship type: CONTAINER SHIP

o Date: 2020.01

o Place: VLADIVOSTOK, RUSSIA

o Detained due to both lifeboa

ts can not started



Cause & Action

Lack of periodical test to life boat attributed to the PSC detention.

LSA Code: <u>"shall start the</u>
<u>engine at an ambient</u>
<u>temperature of -15°C within 2</u>
<u>min of commencing the start</u>
<u>procedure"</u>



Measures

Increase the number of starting test in severe cold areas (Russia) in consideration of possible delays or failure. (for example: Lifeboats, rescue boats, emergency generator)

The PSC detained rate associated with LSA facilities is the third highest frequency in the Tokyo MOU.



Case 3. Maintenance of LSA, FSA



Overview

o Ship type:

OIL/CHEMICAL TANKER

o Date: 2020.02

o Place : TANJUNG PRIOK, INDO

NESIA

o Detained due to ISM code fai lure

- -Emergency preparedness
- -Shipboard operation
- -Maintenance of the ship and e guipment



Cause & Action

SMS implementation failed with the following deficiencies evide nced by PSCO:

- 1) A-60 fire door, damaged
- 2) Rescue boat engine, unable to start
- 3) Funnel damper, unable to close



Measures

The 3 out of 5 detention occur in Indonesia (First half 2020, Tokyo MoU)

Point items in this region are mainly equipment(SOLAS LSA & FSA), due to lack of periodic maintenance

Actively implemented & incorporated into ship's PMS manual.



Case 4. Reasonable response to PSCO



Overview

o Ship type:

OIL/CHEMICAL TANKER

o Date: 2020, 06

- o Place:
- -TANJUNG PRIOK, INDONESIA
- o Detained due to
- -Fire damper unable to close
- -Insufficient cooling water (R/B Engine)



Cause & Action

No information to RO when def iciencies were made.

Emotional response to PSC Offi cer.

Response to the ship itself without assistance of company & R.O.



Measures

Deficiencies were made, R.O. did not receive any information from vessel.

Request to attending KR surveyor nearby KR branch office, if PSC is expected.



