## **United States Coast Guard**



# PORT STATE CONTROL "PSC B" Job Aid

Name of Vessel		Flag	
	☐ No Change		ange
IMO Number		MISLE Activity Number	
Date	PSC Schee	dule	Points
Location			
Vessel Built in Compl	iance with S	OLAS: 60	74 74/78 <b>NA</b>
Port State Control Off	icer & Exam	iners (Print	& Sign)
1		5	
2			
3.	· · · · · · · · · · · · · · · · · · ·		
4			

CVC-FM-010(1) Rev. Jan 2020

#### **Use of Port State Control Job Aid:**

This book is intended to be used by Coast Guard Port State Control (PSC) examiners during foreign-flagged vessel exams. It contains the items that should be examined during a PSC B exam. The PSCO may expand the scope of any exam when there are clear grounds for believing that the condition of the vessel or its equipment does not correspond substantially with the particulars of the certificates, and should reference the PSC A job aid when expanding the exam in the relevant area(s).

The PSC B exam scope was developed to follow the guidelines in the Procedures for Port State Control as well as to add emphasis to areas where a higher risk has been identified in the current regulatory environment (e.g. ballast water, MARPOL Annex VI - ECA). As a matter of routine, many operational tests and drills will NOT be performed during PSC B exams unless determined by the PSC exam team to be necessary as part of an expanded exam. \*\*NOTE reasons for expanding the exam must be documented in the MISLE narrative.

This job aid cites regulations from 74 SOLAS (14), MARPOL, STCW and other conventions and codes. In some cases, the regulations in 74 SOLAS (14) may not apply due to the keel laid date of the vessel. PSC personnel must pay close attention to the applicability dates & verify the correct cites prior to recording deficiencies. USCG policies, such as MSM II are also provided as references. These should never be cited when recording a deficiency on the Form B.

This document does not establish or change laws or regulations. References given are only general guides. Refer to IMO publications, CFR's, TTP, NVIC's, and any locally produced guides for specific regulatory references.

**NOTE:** Guidance on how to conduct a port state control examination can be found in:

- Procedures for Port State Control, IMO Resolution A.1119(30).
- Marine Safety Manual Volume II, COMDTINST M16000.7B, Section D: General Aspects of Port State Control Examinations.
- Port State Control Examiner Tactics, Techniques, & Procedures, CGTTP-3.72.12.
- Vessel class-specific TTP, job aids & policy.

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### **Section 1: General Examination**

#### **Dockside Assessment**

1.	Examine anchor(s) and chain	
	<ul> <li>Verify condition of anchor(s)</li> </ul>	MSM II/E.2.6.b ILO-147 p48/3(g)
	Verify condition of visible anchor chain	MSM II/E.2.6.b ILO-147 p48/3(g)
2.	Examine hull for required markings	
	Verify Load Line is permanently marked	ICLL 5-9
	Verify presence of deck line	ICLL 4
	Verify IMO number	SOLAS 14 XI-1/3
	Verify draught marks	SOLAS 14 II-1/5.6
3.	Examine material condition of hull	
	<ul> <li>Evaluate hull for signs of pollution/illegal discharge</li> </ul>	33 USC 1321 MARPOL I/15
	Evaluate hull strength and integrity	SOLAS 14 II-1/3-1 ICLL 66 I/1
4.	Examine access ladders and sideshell o	penings
	<ul> <li>Examine means of embarkation (gangway/ladders)</li> </ul>	SOLAS 14 II-1/3-9
	Examine cargo ports and other similar openings	ICLL 21
	<ul> <li>Examine sidescuttles (windows/skylights)</li> </ul>	ICLL 23
	<ul> <li>Examine pilot transfer arrangements</li> </ul>	SOLAS 14 V/23
5.	Examine hull, anchors and anchor chain Indigenous Aquatic Nuisance Species A	
	<ul> <li>Verify hull/anchor is free of organisms and sediment</li> </ul>	33 CFR 151.2050(e)(f) MSM II/D.1.G.1.t
	<ul> <li>Evaluate condition of hull anti- fouling coating</li> </ul>	AFS Convention MSM II/D.1.G.1.t

☐ 6. Examine mooring system/equipment

• Examine configuration of mooring MSM II/E.2.6.b lines arrangements

• Verify condition of mooring lines MSM II/E.2.6.b



#### **Security Examination**

7. Examine security procedures at vessel access point(s)

 Verify all access points are monitored
 33 CFR 104.265(a) ISPS A/7.2.2

 Observe gangway watch control of embarkation of persons and effects
 33 CFR 104.265(a) ISPS A/7.2.3

8. Verify security training & records

 Verify presence of trained and designated Ship Security Officer
 33 CFR 104.215 & 104.220 SOLAS 14 XI-2/4.2

• Examine Declaration of Security 33 CFR 104.255 & 235(b)(7)

ISPS A/5.2 & 5.7

#### **Certificates & Documents**

Examine the following certificates, verifying validity and notations of particulars and equipment. \*\*NOTE: These certificates shall be examined during a PSC B exam, however the only documents required to have fields input into MISLE are denoted with an \*.

9.	Certificate of Registry	46 USC 3303, SOLAS 14 I/13
10.	Classification Society Certificate	SOLAS 14 I/6(a)
11.	International Tonnage Certificate (ITC)	ICTM 69 Articles 7, 9 & 10
12.	* International Load Line Certificate (ILL	C) ICLL Articles 15, 16, 18 & 19
	Confirm load line observed on hull matches certificate	ICLL Reg 9
13.	* Cargo Ship Safety Construction Certification	cate (CSSCC)
		SOLAS 14 I/12(a)(ii), I/16, I/10, I/14 & I/15
14.	* Cargo Ship Safety Equipment Certificatequipment (Form-E)	te (CSSEC) and Record of
		SOLAS 14 I/12(a)(iii), I/16, I/8, I/14, I/15
15.	Cargo Ship Safety Radio Certificate (CS (Form-R)	SRC) and Record of Equipment
		SOLAS 14 I/12(a)(iv), I/16, I/9, I/14 & I/15
16.	*Cargo Ship Safety Certificate (CSSC) a	and Record of Equipment (Form-C)
		SOLAS 14 I/12(a)(v), I/16, I/8-10, I/14 & I/15
17.	Copy of Document of Compliance (ISM-	DOC)
		SOLAS 14 IX/4.2, IX/5; ISM Code 13.2-5, Code 16
18.	* Safety Management Certificate (ISM-S	MC)
		SOLAS 14 IX/4.3, IX/5; ISM Code 13.7, 13.5.1, 16

19.	Minimum Safe Manning Document	
	Verify manning in accordance with document	SOLAS 14 V/14.1, V/14.2; STCW I/2.9, I/14
20.	* Continuous Synopsis Record (CSR) No uploaded into vessel certificates in MI	
	Verify presence of current record	SOLAS 14 XI-1/5.1 SOLAS 14 XI-1/5.10
	<ul> <li>Verify presence of all records from 1 July 2004</li> </ul>	SOLAS 14 XI-1/5.2.2 SOLAS 14 XI-1/5.6
	Verify validity	SOLAS 14 XI-1/5.3 SOLAS 14 XI-1/5.4.1-4.3
	Verify record form	SOLAS 14 XI-1/5.5.1 SOLAS 14 XI-1/5.5.2
21.	* International Ship Security Certificate (I	SSC)
		SOLAS 14 XI-2/4.2, ISPS Code A/19.2
22.	International Oil Pollution Prevention Cer Construction and Equipment (Form-A)	tificate (IOPP) and Record of
		MARPOL I/7, 8, 9 & 10
23.	International Air Pollution Prevention Cer	tificate (IAPP) and Supplement
		MARPOL VI/6, 8, 9 CG-543 Policy Ltr 09-01
24.	Engine International Air Pollution Preven	tion (EIAPP) Certificate(s)
		MARPOL VI/13.8 NOx Code 2.1.1, 2.2.10
25.	Ballast water management documents	
	Verify Coast Guard approved     Ballast Water Management System	33 CFR 151.2025(a)(1)
	Verify Ballast Water Management Plan	33 CFR 151.2050(g) NVIC 18-01
	Verify NBIC report submission	33 CFR 151.2060

## Logs & Manuals

☐ 26. Oil Record Book Part I (ORB)

•	Verify presence	33 CFR 151.25 MARPOL I/17.1
•	Verify validity and proper entries	33 CFR 151.25 MARPOL I/17.25
•	Verify presence of completed ORBs	33 CFR 151.25 MARPOL I/17.6

☐ 27. Examine Garbage Record Book

<ul> <li>Verify presence</li> </ul>	33 CFR 151.55
	MARPOL V/10.3
<ul> <li>Verify validity</li> </ul>	MARPOL V/10.3
<ul> <li>Verify contents</li> </ul>	MARPOL V/10.3
<ul> <li>Verify receints</li> </ul>	MARPOL V/10.3

## Section 2: Hull Examination

# **Bridge & Navigation**

28. Witness operational te	st of steering gear	
<ul> <li>Verify rudder angle accurate and consist indicator</li> </ul>		SOLAS 14 II-1/29.11.1 MSM II/D,1.G.1.d(9)
<ul> <li>Verify operation of</li> </ul>	oss of power alarm	SOLAS 14 II-1/29.8.4
29. Examine Voyage Data	Recorder (VDR)	
<ul> <li>Verify presence of VDR (S-VDR)</li> </ul>	V B I C OI OII I PIIII C C	SOLAS 14 V/20 IMO Res A.861(20)
Examine Certificate	of Compliance	SOLAS 14 V/18.8
30. Examine Global Maritin	me Distress and Safe	ety System (GMDSS) equipment
<ul> <li>Verify appropriate e assigned sea area(</li> </ul>		SOLAS 14 IV/8-11 IMO Res A.694(17)
<ul> <li>Examine radio reco</li> </ul>	rds	SOLAS 14 IV/17
<ul> <li>Verify stowage of S Rescue Transpond</li> </ul>		SOLAS 14 IV/7.1.3 SOLAS 14 III/6.2.2
<ul> <li>Verify installation of</li> </ul>	406MHz EPIRB	SOLAS 14 IV/7.1.6

# Health & Safety

31. Ex	kamine galley	
•	Verify sanitary conditions	ILO-147 p31/1(b) COMDTINST 16711.12A 7(1)(f)
•	Verify adequately equipped to prepare food	ILO-147 p30/3 ILO-147 p35/14
•	Verify mess-room provided for crew	ILO-147 p35/14 COMDTINST 16711.12A 7(1)(f)
•	Verify condition of vents and ducts	SOLAS 14 II-2/9.7.5.2
•	Verify installation of fixed fire- extinguishing means within ducts	SOLAS 14 II-2/9.7.5.2.4
•	Verify deep-fat cooking equipment requirements	SOLAS 14 II-2/10.6.4
•	Verify hot and cold water	ILO-147 p37/21(c)
32. Ex	kamine refrigerator and dry food stores	
•	Verify adequate food for size of crew & intended voyage	ILO-147 p30/2 COMDTINST 16711.12A 7(1)(f)
•	Verify free of insects and/or rodents	ILO-147 p39/1(b) COMDTINST 16711.12A 7(1)(f)
•	Verify operation of emergency escape alarm/device (refrigerators)	ILO-147 p31/1(c)
33. Ex	camine vessel for general safety items	
•	Verify safe access to all spaces	ILO-147 p45/3(b) COMDTINST 16711.12A 7(1)(c)
•	Verify spaces adequately lit	ILO-147 p44/3(a) COMDTINST 16711.12A 7(1)(c)
•	Verify no electrical hazards	SOLAS 14 II-1/40 SOLAS 14 II-1/45
•	Verify warning notices posted as necessary	ILO-147 p44/3(a) COMDTINST 16711.12A 7(1)(c)

•	Verify means of escape and confirm accessibility	SOLAS 14 II-2/13.1 SOLAS 14 II-2/13.3.3
•	Verify emergency lighting arrangements	SOLAS 14 II-1/43.2.2
•	Verify route(s) is marked and illuminated	SOLAS 14 II-2/13.3
•	Verify arrangement of machinery space escape ladders	SOLAS 14 II-2/13.4.2
•	Verify Emergency Escape Breathing Device (EEBDs) locations	SOLAS 14 II-2/13.3.4 SOLAS 14 II-2/13.4.3
•	Verify EEBDs are in serviceable condition	SOLAS 14 II-2/13.4.3.3 FSS Code 3.2.2

# Lifesaving Equipment

35. Sp	oot check condition of life jackets	
•	Verify light	SOLAS 14 III/32.2.2 SOLAS 14 III/32.2.3
•	Verify whistle	LSA Code 2.2.1.14
•	Verify retro-reflective tape	IMO Res A.658(16)
•	Verify stowage	SOLAS 14 III/7.2.2
36. Spo	ot check condition immersion suits and	d stowage (when applicable)
•	Verify stowage	SOLAS 14 III/32.3.4
37. Ex	amine lifeboat	
•	Verify required number	SOLAS 14 III/31.1 SOLAS 14 III/31.2
•	Verify stowage arrangements	SOLAS 14 III/11.1 SOLAS 14 III/13 & 14
•	Verify markings	LSA Code 4.4.9 LSA Code 4.4.1.2
•	Verify condition	SOLAS 14 III/20.2 MSM II/D.1.G.1.o(5)
•	Verify presence of required equipment	LSA Code 4.4.8 LSA Code 4.4.4.7.5
•	Examine release gear(s)	SOLAS 14 III/16.4 LSA Code 4.7.6
•	Verify instructions inside for release gear	SOLAS 14 III/9
•	Witness operational test of engine	SOLAS 14 III/19.3.4.1.6 SOLAS 14 III/20.6.2
•	Witness operational test of rudder	LSA Code 4.4.7.2

38. Examine inflatable liferafts and installations		
Verify liferaft capacity requirements	SOLAS 14 III/31.2 LSA Code 4.2	
Verify stowage	SOLAS 14 III/13.4.1-4.4 SOLAS 14 III/13.56	
Evaluate launching arrangements	SOLAS 14 III/12 SOLAS 14 III/16	
<ul> <li>Verify markings</li> </ul>	LSA Code 4.2.6.3	
Verify condition	SOLAS 14 III/20.2 MSM II/D.1.G.1.o(5)	
Verify annual service dates	SOLAS 14 III/20.8.1	
39. Examine rescue boat		
Verify required number	SOLAS 14 III/31.2 LSA Code 5.1.1.1	
<ul> <li>Verify embarkation and launching arrangement(s)</li> </ul>	SOLAS 14 III/17 SOLAS 14 III/11	
Verify presence of equipment	LSA Code 5.1.1.10 LSA Code 5.1.1.11	
<ul> <li>Verify stowage</li> </ul>	SOLAS 14 III/14	
Witness operational test of engine	SOLAS 14 III/19.3.4.6 SOLAS 14 III/20.6.2	
40. Examine boat davits (rescue & lifeboat)		
<ul> <li>Examine condition of davit(s) and associated components</li> </ul>	SOLAS 14 III/20.2 & .4 LSA Code Chapter 8	

# **Firefighting Systems**

41.	Examine fire hose stations	
	Verify type, length and condition of hose	SOLAS 14 II-2/10.2.3.1.1 SOLAS 14 II-2/10.3.1.2
	Verify type and condition of nozzle	SOLAS 14 II-2/10.2.3.3 SOLAS 14 II-2/10.2.3.1.2
	<ul> <li>Verify operational condition of hydrant valve</li> </ul>	SOLAS 14 II-2/14.2.1.2 MSM II/D.1.G.1.o.(6)(c)
	Verify location(s) consistent with Fire Control Plan	SOLAS 14 II-2/15.2.4.1 SOLAS 14 II-2/10.2.3.2.1
42.	Examine international shore connection	
	Verify presence	SOLAS 14 II-2/10.2.7.1
	Verify storage location consistent with Fire Control Plan	SOLAS 14 II-2/15.2.4.1
	<ul> <li>Verify presence of flange, bolts, washers and gasket</li> </ul>	FSS Code 2.2.2 MSM II/D.1.G.1.o.(6)(c)
43.	Examine fire-fighter's outfits	
	Verify storage location consistent with Fire Control Plan	SOLAS 14 II-2/15.2.4.1
	Verify quantity	SOLAS 14 II-2/10.10.2.1 SOLAS 14 II-2/10.2.4
	<ul> <li>Verify condition of personal equipment</li> </ul>	FSS Code 3.2.1.1
	<ul> <li>Verify condition of breathing apparatus</li> </ul>	FSS Code 3.2.1.2
	Verify condition of lifeline	FSS Code 3.2.1.3
	<ul> <li>Verify presence of spare charges</li> </ul>	SOLAS 14 II-2/10.10.2.5
44.	Examine portable fire extinguishers	
	Verify locations consistent with Fire Control Plan	SOLAS 14 II-2/15.2.4.1 MSM II/D.1.G.1.o(6)(a)
	Verify stowage	SOLAS 14 II-2/10.3.2.4 SOLAS 14 II-2/10.3.2.2
	Verify condition of extinguishers	SOLAS 14 II-2/14.2.1.2 FSS Code 4.2
	Verify presence of spare charges	SOLAS 14 II-2/10.3.3

45. Ex	camine Fire Control Plan	
•	Verify currency of plan(s) or booklets	SOLAS 14 II-2/15.2.4.1
•	Verify plan or booklet is in required languages	SOLAS 14 II-2/15.2.4.1
•	Verify content of plan(s) or booklet	SOLAS 14 II-2/15.2.4.1 MSM II/D.1.G.1.o(6)
•	Verify stowage of duplicate set of plan(s)	SOLAS 14 II-2/15.2.4.2
	camine areas for compliance with Struc quirements	etural Fire Protection (SFP)
•	Verify SFP boundaries with fire control plan	SOLAS 14 II-2/9.2.3 SOLAS 14 II-2/15.2.4.1
•	Ensure no unapproved SFP modifications	SOLAS 14 II-2/14.2.1.1.1 SOLAS 14 II-2/5.3
•	Evaluate fire door operation	SOLAS 14 II-2/9.2.3.4.1 SOLAS 14 II-2/14.2.1.1
•	Verify electric cable/pipe penetrations are compatible with fire control boundaries	SOLAS 14 II-2/9.3
•	Verify operational tests of ventilation systems controls	SOLAS 14 II-2/5.2 SOLAS 14 II-2/14.2.2.3.5
47. Ex	camine fixed fire detection and alarm s	ystems
•	Verify operation	SOLAS 14 II-2/7.4 & .5 SOLAS 14 II-2/14.2.1.1.2
•	Verify power sources	FSS Code 9.2.2
	Verify operation of alarms	FSS Code 9.2.5.1
•	Verify operation of manually operated call points	SOLAS 14 II-2/7.7 SOLAS 14 II-2/14.2.1.1.2
•	Verify periodic testing	SOLAS 14 II-2/7.3.2 SOLAS 14 II-2/14.2.2.3.2

48. Examine fire main system(s)	
<ul><li>Verify number of pumps</li><li>Verify location(s)</li><li>Verify remote start operation</li></ul>	SOLAS 14 II-2/10.2.2.2 SOLAS 14 II-2/10.2.2.3.2.1 SOLAS 14 II-2/10.2.1.2.2.2
<ul> <li>Verify pressure</li> <li>Verify relief valve installation</li> <li>Verify fire station arrangements</li> <li>Verify condition of fire main piping</li> <li>Verify operation of emergency fire</li> </ul>	SOLAS 14 II-2/10.2.1.6 SOLAS 14 II-2/10.2.1.4.3 SOLAS 14 II-2/10.2.3 SOLAS 14 II-2/14.2.1.2 SOLAS 14 II-2/10.2.2.3.2
pump  49. Examine the fixed pressure water-spray extinguishing systems	SOLAS 14 II-2/14.2.1.2  ving and water mist fire
<ul> <li>Verify the fixed system is arranged as indicated on fire control and/or general arrangement plan(s)</li> <li>Verify sprinkler pump arrangement for automatic activation</li> </ul>	SOLAS 14 II-2/10.4.1.1.3 SOLAS 14 II-2/10.4.4 SOLAS 14 II-2/14.2.1.2 FSS Code 8.2.3.3
50. Examine fixed high pressure CO2 system	em
<ul> <li>Verify system is arranged as indicated in fire control and/or general arrangement plan</li> <li>Verify control valves are arranged</li> </ul>	SOLAS 14 II-2/10.4.1.1.1 MSM II/D.1.G.1.o(6)(a) FSS Code 5.2.1.3.1
<ul> <li>and marked</li> <li>Verify operating instructions at control stations</li> </ul>	FSS Code 5.2.2.2 FSS Code 5.2.1.3.3
<ul> <li>Verify closures for protected space openings</li> </ul>	SOLAS 14 II-2/10.4.2
<ul><li>Verify storage room arrangements</li><li>Evaluate testing and inspection procedures</li></ul>	SOLAS 14 II-2/10.4.3 IMO MSC.1/Circ. 1318

51. Examine low pressure CO2 fixed fire fighting system	
<ul> <li>Verify system is arranged as indicated in fire control and/or general arrangement plan(s)</li> </ul>	SOLAS 14 II-2/10.4.1.1.1 MSM II/D.1.G.1.o(6)(a)
<ul> <li>Verify control valves are arranged and marked</li> </ul>	FSS Code 5.2.1.3.1 FSS Code 5.2.2.2
<ul> <li>Verify operating instructions at control stations</li> </ul>	FSS Code 5.2.1.3.3
<ul> <li>Verify closures for protected space openings</li> </ul>	SOLAS 14 II-2/10.4.2
Verify storage room arrangements	SOLAS 14 II-2/10.4.3 FSS Code 5.2.2.4.1
<ul> <li>Evaluate testing and inspection procedures</li> </ul>	IMO MSC.1/Circ. 1318
Verify alarms and indicators	FSS Code 5.2.2.4.3 FSS Code 5.2.2.4.11
Verify safety relief valves	FSS Code 5.2.2.4.3 FSS Code 5.2.2.4.4
52. Examine fixed high-expansion foam fire e	extinguishing system
<ul> <li>Verify system is arranged as indicated in the fire control and/or general arrangement plan(s)</li> </ul>	SOLAS 14 II-2/10.4.1.1.2 MSM II/D.1.G.1.o(6)(a)
<ul> <li>Verify quantity and performance of foam concentrates</li> </ul>	IMO Res MSC.327(90) IMO MSC/Circ. 670

# Structural & Watertight Integrity

53. E	xamine general condition hull and struc	tural members
•	Examine condition of ladder ways, guardrails, fire mains, piping, hatch covers & watertight/weathertight closures	ICLL 66 I/12-25 MSM II/D.1.G.1.b(1)
•	Evaluate hull strength and integrity	ICLL 66 I/11 MSM II/D.1.G.1.b(2)
54. E	xamine structural/watertight integrity of	the deck/hull
•	Assess condition of components	SOLAS 14 II-I/13-1.1 ICLL 66 I/12
•	Assess condition of ventilator closures	ICLL 66 I/19(4)
55. E	xamine watertight doors and weathertic	ht openings
•	Ensure all external openings are watertight	SOLAS 14 II-1/15-1 SOLAS 14 II-1/16-1
•	Verify down-flooding openings have weathertight closings	ICLL 66 I/19(4) ICLL 66 I/20
•	Evaluate condition of weathertight door(s) and hatches	ICLL 66 I/12(1) ICLL 66 I/16
	• 54. E	guardrails, fire mains, piping, hatch covers & watertight/weathertight closures  • Evaluate hull strength and integrity  54. Examine structural/watertight integrity of  • Assess condition of components  • Assess condition of ventilator closures  55. Examine watertight doors and weathertig  • Ensure all external openings are watertight  • Verify down-flooding openings have weathertight closings  • Evaluate condition of weathertight

# **Section 3: Machinery Examination**

# Machinery

56. Ex	amine steering gear assembly and op	eration
•	Examine condition of system  Verify suitable arrangements and access to machinery	SOLAS 14 II-1/29.13 SOLAS 14 II-1/29.13
•	Witness functional system tests	SOLAS 14 II-1/29.3.2 SOLAS 14 II-1/29.11.1-2
57. Ex	amine arrangements for propulsion er	ngine(s)
•	Examine condition of components	SOLAS 14 II-1/26.1
•	Verify installation of machinery covers and guards	SOLAS 14 II-1/26.1 SOLAS 14 II-2/4.2.2.6.1
•	Verify high pressure fuel lines are double jacketed	SOLAS 14 II-2/4.2.2.5.2
•	Verify no leaks of flammable liquids	SOLAS 14 II-2/4.1.1
•	Verify engineers alarm is installed and operational	SOLAS 14 II-1/38
•	Verify emergency stopping device is installed	SOLAS 14 II-1/31.2.3
58. Ex	amine main service generators and p	rime mover(s)
•	Examine condition of components	SOLAS 14 II-1/26.1
•	Verify installation of machinery covers and guards	SOLAS 14 II-2/4.2.2.6.1 IMO MSC/Circ. 834
•	Verify required prime mover detectors/gauges	SOLAS 14 II-1.47.2
•	Verify no excess leaks of flammable liquids	SOLAS 14 II-2/4.1.1
	Verify high pressure fuel lines are double jacketed	SOLAS 14 II-2/4.2.2.5.2

59. Examine emergency generator(s) and prime mover(s)	
Examine condition of components	SOLAS 14 II-1/26.1 SOLAS 14 II-1/44.3
<ul> <li>Verify installation of machinery covers and guards</li> </ul>	IMO MSC/Circ. 834
<ul> <li>Verify independent fuel supply</li> </ul>	SOLAS 14 II-1/43.3.1.1
<ul> <li>Verify operation of remote fuel shutoff valve</li> </ul>	SOLAS 14 II-2/4.2.2.3.4 MSM II/D.G.1.c.6
<ul> <li>Verify arrangement of auto-start function</li> </ul>	SOLAS 14 II-1/43.3.1 SOLAS 14 II-1/44.4.1 & .2
<ul> <li>Witness operation of starting arrangements</li> </ul>	SOLAS 14 II-1/44.2
60. Examine machinery spaces	
<ul> <li>Evaluate condition of machinery and related equipment</li> </ul>	MSM II/D.1.G.1.c(2) IMO Res A.1052(27) Appendix 6/3.2
<ul> <li>Evaluate fire risk in spaces/bilges and means to control leaks of flammable liquids</li> </ul>	SOLAS 14 II-2/4.1.2 MSM II/D.1.G.1.o(6)(d)
<ul> <li>Evaluate monitoring of bilge wells for protection against flooding</li> </ul>	SOLAS 14 II-1/48.1 SOLAS 14 II-1/31.3
<ul> <li>Ensure personnel hazards are mitigated (rotating equipment, hot surfaces, railings, etc.)</li> </ul>	SOLAS 14 II-1/26.1 SOLAS 14 II-2/4.2.2.6
61. Examine bilge pumps installation, piping	ı, and valves
Examine bilge system components	SOLAS 14 II-1/35-1.2
Verify valve indicators	SOLAS 14 II-1/35-1.3.12

#### **Pollution Prevention**

62. Examine Oily Water Separator (OWS) and bilge monitor/alarm (OCM)

 Verify type of oily water separator and bilge monitor/alarm (MEPC.107(49) or MEPC.60(33))

• Review records

· Verify OCM is sealed

· Verify OCM is calibrated

• Verify presence of consumables IAW manufacturer's instructions

MARPOL I/14 G-PCV Policy Ltr 06-01

MSM II/D.1.G.1.p(1) G-MOC Policy Ltr 04-13

MSM II/D.1.G.1.p(3) MEPC.107(49)

MSM II/D.1.G.1.p(3)

G-MOC Policy Ltr 04-13

MSM II/D.1.G.1.p(3)



Notes:

