

Condition Survey Report - Reefer

Score	Flagged items	0	Actions	0
Site conducted				Unanswered
Ship name				
IMO No:				
Member Group No:				
Member Group Name:				
Conducted on:				
Survey Company:				
Location:				
Type of report:				

Part A

INSTRUCTIONS

1. Please answer the questions below.

2. Add photos and notes to questions

3. To add a Corrective Action click "Action," provide a description, assign to a member, set priority, and due date

4. Complete audit by providing digital signature

5. Share your report by exporting as PDF, Word, Excel or Web Link

GENERAL INFORMATION

Date survey completed:

Survey port:

Surveyor's name:

Survey company:

Surveyor's ref. number

Order club:

Club ref. no.:

This report, and any accompanying documentation or photographs, has been compiled for the sole use of the Club for insurance purposes only and should not be disclosed to third parties without prior written permission from the Club. The information contained in this report, and any accompanying documentation or photographs, is not exhaustive as to the general condition of the ship and should not be relied upon by members or by any other party as any assurance, representation or warranty as to the condition of the ship and nothing herein shall prejudice the Club's rights under the insurance policy in the event of a dispute between the Club and the member relating to the condition of the ship.

 1. Vessel's particulars

 1.1 PARTICULARS

 1.1.1 Ship's name:

 1.1.2 Ex. names:

 1.1.3 IMO No:

1.1.4 Flag state:

1.1.5 Builder:

1.1.7 Class society:

1.1.8 Class notations:

1.1.9 Ship type & brief description:

1.1.10 GT:

1.1.11 DWT:

1.1.12 Last docking:

1.1.13 Last Class Renewal:

CREW MATRIX

NOTE: If hatch cover only survey please do not complete

Click "Add Rank"

2. CIRCUMSTANCES OF SURVEY

Describe in brief the circumstances under which the survey was carried out, such as, but not limited to, the date and the time the survey commenced and date and time of completion, if the Master was aware of the visit, the operational status of the vessel at the time, type of cargo handled if applicable, and particular observations or information the Surveyor may consider to be of interest for the Club.

Comment

*Areas not inspected (NI)

Areas not covered during the current inspection and any items marked NI (giving details of item number and description), including the reason for not carrying out a full inspection, should be stated below.

Details

2.1 Ship's trading pattern:

2.2 Cargo onboard and last three cargoes

2.3 Master's name:

2.4 Company name on the ISM DOC:

2.5 Name of owner's representative:	
2.6 Time under present management	
2.7 Ballast tanks inspected*:	
2.8 Cargo holds/tanks inspected*:	
2.9 Was a tightness test of hatch covers carried out?	
2.10 If yes, type of test carried out and equipment used:	
3. EXECUTIVE SUMMARY	0 / 50 (0%)
3.1 Survey summary	0 / 50 (0%)
Following the completion of the survey, and based on the surveyor's overall impressior vessel, the surveyor is requested to rate the following areas (1=excellent 2=good 3=fair 5=very poor)	
Shipboard management*:	
Safety*:	
Fire safety*:	
Life saving appliances*:	
Pollution and environmental awareness*:	
Navigation*:	
Apparent structural condition (inc hatch covers if survey required):	
Machinery*:	
Cargo worthiness (inc hatch covers if survey required):	
Maintenance and housekeeping (inc hatch covers if survey required):	
* If performing a hatch cover only survey please do not complete	
3.2 Surveyor's summary	

3.2 Surveyor's summary

Advise on the subject(s) which give rise to the most concern regarding safety of crew, vessel or cargo:

Comment

Additional Comment

Additional Photo

Part B	0 / 114 (0%)
4. SURVEY QUESTIONNAIRE	0 / 114 (0%)
4.1 Class and Statutory Certificates	0 / 3 (0%)
4.1.1 Are the relevant class and statutory certificates valid	
4.1.2 Are certificates without any conditions, recommendations, exemptions or memoranda affecting safety of life, ship, cargo or environment?	
4.1.3 Does the vessel possess all necessary certification?	
4.2 Shipboard management	0 / 14 (0%)
Section to be completed taking into consideration time under present management	
4.2.1 Are internal audits carried out at regular intervals and are they satisfactorily reported?	
4.2.2 Are safety meetings carried out at a regular interval and a protocol kept?	
4.2.3 Are non-conformity / accident / near accident reports raised and handled in a satisfactory manner?	
4.2.4 Are Masters' Reviews carried out and satisfactorily reported?	
4.2.5 Is the planned maintenance system implemented and kept up to date including critical spares list maintained?	
4.2.7 Is SPS (ISPS) prescribed access control in place?	
4.2.8 Are there contingency plans onboard to deal with emergencies and spills, as applicable?	
4.2.9 Is a muster list available, current and prominently posted in relevant areas?	
4.2.10 Is an adequate emergency command structure in place?	
4.2.11 Are fire control plans posted, properly maintained and also available externally?	
4.2.12 Is manning in compliance with the Safe Manning Certificate?	

4.2.13 Is there a Cyber Security Policy in place?
4.2.14 Does the vessel have any anti-malware and USB device policies as part of its cyber security procedures? Does software on board appear to be regularly updated.
4.2.15 Cyber Security: Is there multi-level password control to all sensitive software and OT devices?
4.3 Crew 0 / 4 (0%)
4.3.1 Are at least officers proficient in Maritime English to communicate efficiently?
4.3.2 Is there an identified common language spoken by crew?
4.3.3 Does the company have a briefing / de-briefing policy for Master/Chief Engineers prior to joining/after signing off?
4.3.4 Is random or specific drug/alcohol testing undertaken?
4.4 Safe Working 0 / 11 (0%)
4.4.1 Are safe working practices, including work permit procedures, implemented, and adhered to particularly with regards to enclosed space entry?
4.4.2 Are portable oxygen and gas detection meters provided, regularly calibrated and are the crew able to operate these effectively?
4.4.3 Is relevant personal protective equipment and clothing, appropriate to the vessel type and cargo, provided and in use?
4.4.4 Is adequate lighting provided throughout the vessel?
4.4.5 Are alarms from cold stores and freezers in apparent satisfactory condition?
4.4.6 Are walkways, stairways,catwalks, ladders, platforms and handrails, as applicable, in apparent satisfactory condition throughout the vessel?
4.4.7 Are mobile safety guards such as rails, lines and wires etc, provided and in use?
4.4.8 Are derricks, cranes and other lifting equipment properly maintained / marked? Have periodical inspections and testing been carried out?

4.4.9 Are the pilot ladders in apparent satisfactory condition, properly marked and certified?	
4.4.0 Are the remaining boarding arrangements (e.g., accommodation ladders, gangways etc.) in apparent satisfactory condition and safely rigged?	
4.4.11 Are emergency drills carried out frequently on board?	
4.5 Hygienic Standard and House Keeping	0 / 3 (0%)
4.5.1 Are crew galley and pantries clean and tidy? Is fitted equipment in apparent satisfactory condition? Are suitable food handling procedures in place?	
4.5.2 Are provision and cold stores clean, tidy and maintained to correct temperature?	
4.5.3 Is the general housekeeping standard satisfactory?	
4.6 Fire Safety	0 / 12 (0%)
4.6.1 Is the fire detection system in apparent satisfactory condition?	
4.6.2 Are fire pumps, mains, hydrants, extinguishers in apparent satisfactory condition?	
4.6.3 Are fire stations in tidy condition and is it evident that the fire fighting equipment has been tested in connection with fire fighting drills?	
4.6.4 Are there sufficient self-contained breathing apparatus and are they in good condition, sufficiently charged and within test date?	
4.6.6 Are emergency escape sets provided?	
4.6.7 Are fire extinguishers and fire hose lockers in apparent satisfactory condition?	
4.6.8 Are fixed fire-extinguishing systems in apparent satisfactory condition with release instructions posted?	
4.6.9 Are combustible and hazardous liquids stored in designated spaces and provided with Material Safety Data sheets?	
4.6.10 Are acetylene and oxygen bottles stored in well ventilated and securely, signed designated places?	

4.6.11 Are main and emergency exits clearly marked and unobstructed?
4.6.12 Is the fire integrity, including fire doors, fire dampers, shutters and bulkhead penetrations (where visible) throughout the vessel in apparent satisfactory condition?
4.6.13 Are engine room safety equipment and alarm monitoring systems fully functional and regularly tested? E.g. emergency generator, quick closing valves, ventilation shutdown and dampers, etc.?
4.7 Life Saving Appliances 0 / 8 (0%)
4.7.1 Are lifeboats, rescue boats and their davits in apparent satisfactory condition including the on-load release mechanism?
4.7.2 Has the manufacturer or their approved representative serviced the on-load release?
4.7.3 Are life rafts and hydrostatic releases properly secured / fitted and in apparent satisfactory condition?
4.7.4 Are life buoys of approved type in various locations and in apparent satisfactory condition?
4.7.5 Are life vests/jackets of approved type, in good condition and sufficient in numbers?
4.7.6 Is the medical locker sufficiently stocked, tidy and contents in date?
4.7.7 Are signs for safety equipment in place marked with IMO symbols and instructions written in the working language of the vessel?
4.7.8 Are emergency escape route fluorescent markings fitted and in apparent satisfactory condition?
4.8 Pollution Control 0 / 11 (0%)
4.8.1 Are save-alls and spill containment equipment in apparent satisfactory condition?
4.8.2 Is the vessel apparently free from any hull, bulkhead, valve or pipe- line leakage, including hydraulic lines, liable to cause pollution or affect safe operations?
4.8.3 Is the vessel provided with an approved SOPEP / SMPEP and, if applicable, a VRP?

4.8.4 Is sufficient oil spill clean-up equipment available as per the SOPEP / SMPEP Manual?
4.8.5 Is the Oil Record Book Part I (and, if applicable, Part II) properly filled out and up to date?
4.8.6 Are operations procedures in place for bunkering and oil transfer?
4.8.7 Are OWS and bilge pumping systems functional and inspected regularly? – 15 ppm alarm tested, emergency bilge tested?
4.8.8 Is a Garbage Management Plan in place and is the Garbage Record Book up to date?
4.8.9 Are appropriate procedures in place for fuel switch over?
4.8.10 Is there an approved Ballast Management Plan on board and is the Ballast Water Record Book properly completed?
4.8.11 Are Bunker Delivery Notes and bunker samples available on board?
4.9 Bridge, Navigation and Communication 0 / 13 (0%)
4.9.1 Is bridge navigation and communication equipment in apparent satisfactory condition?
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4.9.1 Is bridge navigation and communication equipment in apparent satisfactory condition?4.9.2 Is there an apparent working system in place to correct
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 4.9.1 Is bridge navigation and communication equipment in apparent satisfactory condition? 4.9.2 Is there an apparent working system in place to correct nautical charts and publications? 4.9.3 If applicable, have officers undergone an approved ECDIS training course and type specific familiarisation? 4.9.4 If fitted, is the Bridge Navigational Watch Alarm System in apparent satisfactory condition?
 4.9.1 Is bridge navigation and communication equipment in apparent satisfactory condition? 4.9.2 Is there an apparent working system in place to correct nautical charts and publications? 4.9.3 If applicable, have officers undergone an approved ECDIS training course and type specific familiarisation? 4.9.4 If fitted, is the Bridge Navigational Watch Alarm System in apparent satisfactory condition? 4.9.5 If fitted, is the Voyage Data Recorder operational? 4.9.6 If VDR is fitted, is the Master aware of how to save and

4.9.9 Are navigation lights in apparent satisfactory condition?
4.9.10 Is passage planning properly carried out and covering berth to berth?
4.9.11 Is emergency communication between bridge-engine room and bridge-steering gear room in apparent satisfactory condition?
4.9.12 Is external weather routing in use for ocean voyages? (For comment only, not considered a defect if weather routing not used.)
4.9.13 Is the vessel's condition verified and recorded including trim, list, draft, and intact stability prior to sailing?
4.10 Hull and Deck 0 / 11 (09
4.10.1 Is the visible condition of the vessel including shell plating and deck plating in satisfactory condition?
4.10.2 If sighted, does the thickness gauging report show areas with excessive steel diminution?
4.10.3 Are hull markings legible?
4.10.4 Are vents and air / sounding pipes on deck in apparent satisfactory condition with efficient closing devices and clearly marked with the compartment they serve?
4.10.5 Are deck wiring, piping and cable runs in apparent satisfactory condition?
4.10.6 Are hatch covers, coamings, stays and connections to deck plating free of cracks / heavy corrosion?
4.10.7 Are weathertight doors and stores hatches fully operational and in apparent satisfactory condition?
4.10.8 Are windlasses, winches, rollers, fair leads, capstans, bollards and mooring lines in apparent satisfactory condition?
4.10.9 Are satisfactory emergency towing arrangements in place and in apparent satisfactory condition?
4.10.10 Are emergency towing arrangements in place and in satisfactory condition?
4.10.11 Are visible sections of anchor cables in apparent

4.10.11 Are visible sections of anchor cables in apparent

satisfactory condition?

4.11 Ballast Tanks & Void Spaces	0 / 7 (0%)
4.11.1 Are tanks and void spaces inspected apparently free from significant wastage, pitting and scale?	
4.11.2 Is the corrosion protection (coating / anodes) in apparent satisfactory condition?	
4.11.3 Is the inspected steel structure of ballast tanks and void spaces free from buckling, fractures, doublers, temporary repairs and poor alignment etc?	
4.11.4 Are manhole covers in apparent satisfactory condition?	
4.11.5 Are tanks free from any sign of oil contamination?	
4.11.6 Is pipe-work passing through tanks / void spaces in apparent satisfactory condition?	
4.11.7 Are ballast valves (hydraulic / manual) and actuating systems, if appropriate, in apparent satisfactory condition?	
4.12 Machinery Spaces	0 / 17 (0%)
4.12.1 Are engine compartments, including bilges, clean tidy and free from combustible materials?	
and free from combustible materials? 4.12.2 Is main and auxiliary machinery in apparent satisfactory condition and free from significant oil or water	
 and free from combustible materials? 4.12.2 Is main and auxiliary machinery in apparent satisfactory condition and free from significant oil or water leakages and/or temporary drains? 4.12.3 Is the engine alarm monitoring and control system 	
 and free from combustible materials? 4.12.2 Is main and auxiliary machinery in apparent satisfactory condition and free from significant oil or water leakages and/or temporary drains? 4.12.3 Is the engine alarm monitoring and control system fully operational and regularly tested? 4.12.4 Is main switchboard protectively located and 	
 and free from combustible materials? 4.12.2 Is main and auxiliary machinery in apparent satisfactory condition and free from significant oil or water leakages and/or temporary drains? 4.12.3 Is the engine alarm monitoring and control system fully operational and regularly tested? 4.12.4 Is main switchboard protectively located and surrounded by non conducting mat? 4.12.5 Is main switchboard earth fault monitoring 	
 and free from combustible materials? 4.12.2 Is main and auxiliary machinery in apparent satisfactory condition and free from significant oil or water leakages and/or temporary drains? 4.12.3 Is the engine alarm monitoring and control system fully operational and regularly tested? 4.12.4 Is main switchboard protectively located and surrounded by non conducting mat? 4.12.5 Is main switchboard earth fault monitoring equipment operational and indicating a satisfactory status? 4.12.6 Are self-closing devices on sight glasses and sounding 	

4.12.10 Are fuel treatment systems fully operational and maintained? - purifiers, filters, viscotherm, etc. ?
4.12.11 Are engine spares properly stored and secured?
4.12.12 Does there appear to be sufficient spare parts ?
4.12.13 Are ER pipe systems, sea suction and overboard valves free from apparent deterioration, leaks, temporary repairs and cement boxes?
4.12.14 Are ER gratings in place secured and in a clean and safe condition?
4.12.15 Is the steering gear free from hydraulic leaks and in apparent satisfactory condition? Are instructions and equipment for emergency steering provided?
4.12.16 Is engine condition monitoring regularly undertaken and recorded? – starting arrangements, performance evaluation, lube oil analysis etc. regularly undertaken
4.12.17 Is the ballast pumping system fully functional and regularly inspected?
4.12.18 Is the engine room housekeeping standard satisfactory? - Lagging and insulation, floor plates, machinery guards, wiring, oil stains, leaks, etc.
COMPLETED BY

Name & Signature

Part C	0 / 66 (0%)
5. Survey Questionnaire - Reefer Ship	0 / 66 (0%)
5.1 Cargo holds and cooler spaces	0 / 23 (0%)
5.1.1 Are spaces clean and free from mould and taint / smell from previous cargoes?	
5.1.2 Are spaces underneath gratings clean and free from debris or previous cargoes?	
5.1.3 Is there a system in place for regular cleaning of these spaces and appropriate records maintained?	
5.1.4 Is an adequate quantity of cargo hold cleaning chemicals kept onboard?	
5.1.5 Are the cargo holds free of snagging hazards which may damage cargo and its packaging?	
5.1.6 Are spar deck planks, hatch gratings and supports in apparent satisfactory condition, level and secure?	
5.1.7 Are hatch gratings close fitting and free from any significant gaps?	
5.1.8 Are sufficient spare gratings, spar deck planks and supports, as appropriate, available on board?	
5.1.9 If appropriate, are walking boards used during cargo operations?	
5.1.10 Are preventative measures, such as warning signage, in place to prevent food and glass items being taken into the cargo holds?	
5.1.11 If fitted, are side shorings (boards and side battens) in apparent satisfactory condition and free from wear or damage?	
5.1.12 Is the condition of pipework, where visible (cooling, defrosting, air, sounding, bunker, ballast , etc), lagging and protection guards in cargo spaces in apparent satisfactory condition?	
5.1.13 Are the fresh air and circulation fans operational and in apparent satisfactory condition?	
5.1.14 Is the cargo hold lighting free from damage and in apparent satisfactory condition?	

5.1.15 Are cargo space separations (tween deck hatches, doors, etc. if relevant) adequate for intended cargoes?
5.1.16 Are cargo holds insulation, including tank top, lining and thermal seals in apparent satisfactory condition?
5.1.17 Are ventilation ducts, gratings and closing devices in apparent satisfactory condition?
5.1.18 Are cargo hold bilges clean, non-return valves working and bilge pumps in apparent satisfactory condition?
5.1.19 Is the tween deck drainage system clean, dry and in apparent satisfactory condition?
5.1.20 If fitted, are cargo hold locked-in alarms functioning correctly and tested regularly?
5.1.21 Are hatch covers weather tight?
5.1.22 Is cargo stowed in accordance with hazardous cargo codes?
5.1.23 Is cargo stowed and secured in accordance with the CSM?
•Additional Information
5.2 Cargo systems 0 / 12 (0%)
5.2.1 Are defrosting facilities in apparent satisfactory condition?
5.2.2 Are fixed / portable temperature sensors calibrated and in apparent satisfactory condition?
5.2.3 Are spare temperature sensors available on board?
5.2.4 Are the delivery and return air sensors regularly tested?
5.2.5 Is the refrigeration system in apparent good condition?
5.2.6 Is sufficient spare refrigerant available for a 50% charge?
5.2.7 If brine is used as a refrigerant, is there sufficient spare Calcium Chloride onboard for a complete change of brine?

5.2.8 If a controlled atmosphere system is fitted, is the gas

generating plant operational and apparently well maintained?
5.2.9 If a controlled atmosphere system is fitted, are procedures in place to prevent the unauthorised access of personnel into the cargo spaces when an unsafe atmosphere exists?
5.2.10 Is all reefer machinery and auxiliary equipment in apparent satisfactory condition?
5.2.11 Are full load tests regularly carried out on reefer compressors?
5.2.12 Are all auxiliary engines / generators in apparent satisfactory condition and capable of achieving the full power rating?
•Additional Information
5.3 Lifting appliances 0 / 10 (0%)
5.3.1 Are cranes / derricks in apparent satisfactory structural condition?
5.3.2 Is SWL clearly marked on crane / derrick jib and loose gear?
5.3.3 Are crane wires and sheaves in apparent satisfactory condition?
5.3.4 Are crane / derrick safety devices apparently operational and regularly tested?
5.3.5 Is slew bearing wear being regularly monitored, eg by grease sampling or rocking test?
5.3.6 Are the holding down bolts and slewing ring apparently free of significant corrosion?
5.3.7 Is loose gear apparently free from excessive wear and corrosion?
5.3.8 Are crane / derrick electrical / hydraulic systems in apparent satisfactory condition?
5.3.9 Are crane access ladders and platforms in apparent satisfactory condition and allow for safe access?
5.3.10 Are lifting appliance maintenance records kept?

•Additional Information

5.4 Cargo securing	0 / 5 (0%)
5.4.1 Are fixed lashing points in apparent satisfactory condition and free from excessive wear / corrosion? (eg twist lock sockets, D-rings)	
5.4.2 Is lashing and securing equipment in apparent satisfactory condition and in sufficient numbers in line with the CSM?	
5.4.4 Are the twist locks and lashing equipment of the same type as specified in the approved Cargo Securing Manual?	
5.4.5 Are lashing maintenance records satisfactorily maintained?	
5.4.6 If applicable, are the T-bars and air bags in apparent satisfactory condition?	
•Additional Information	
5.5 Documentation and procedures	0 / 7 (0%)
5.5.1 Are carriage instructions for the intended cargo provided and followed?	
5.5.2 Are hold temperatures / CO $_2$ / O $_2$ levels, as appropriate, properly recorded and records retained?	
5.5.3 Are reefer plant logs satisfactorily maintained?	
5.5.4 Is there a record of temperature probe and gas analyser calibrations?	
5.5.5 If appropriate, does the vessel maintain a log of pulp temperatures during loading operations?	
5.5.6 Is the manufacturer's manual of the reefer plant onboard in a language understood by ship staff?	
5.5.7 Is the data logger, if fitted, in working order?	
•Additional Information	
5.6 Safety and Operational tests	0 / 9 (0%)
5.6.1 Engine room bilge high level alarms.	

5.6.2 Emergency fire pump with two fire hoses on separate hydrants.

5.6.3 Emergency power sources and emergency lighting.

5.6.4 Engine room remote stops and shutdowns.

5.6.5 Tightness tests of hatch covers and other relevant closing appliances

5.6.6 Cargo hold bilge suction test

5.6.7 Cargo hold water ingress alarms

5.6.8 Hydro test of ballast spaces surrounding the cargo area.

5.6.9 Ice test to be carried out on all vessel's hand-held temperature probes

•Additional Information

Sign Off

Name and Signature of Master: (For reciept only)

Name and signature of Surveyor

0 / 12 (0%)

6. Ultrasonic Weather Tightness Test of Hatch Covers

6.1.1 Number of Cargo Hatches on board?:

6.1.2 Hatch type?

6.1.3 Ultrasonic equipment type

Transmitter:

Receiver:

Date equipment last calibrated:

6.1.4 Initial measurements with open hatch? (Minimum preferred OHV is 40dB) Open hatch value, OHV: (To be uniform over the tested area) 10% of OHV (dB):

Checklist (include remarks for all hatch covers).

6.1.6 Are all cargo hatch covers and coamings, including landing pads, in apparent satisfactory structural condition?

6.1.7 Confirm no apparent indications of water or oil leaks in the cargo holds?

6.1.8 Are access hatches and coamings in apparent satisfactory condition?

6.1.9 Are hatch cover panels apparently correctly aligned?

6.1.10 Are compensation bars, landing pads, cleats and cross joint wedges in apparent satisfactory condition and properly adjusted?

6.1.11 Are rubber gaskets in apparent satisfactory condition? Are any repairs correctly performed (paying particular attention to corner pieces)?

6.1.12 Are side and cross joint drain channels and non-return devices in apparent satisfactory condition?

6.1.13 Can hatch covers be closed / opened with undue delay?

6.1.14 Is the chain pull / hydraulic system in apparent satisfactory condition?

6.1.15 Are hatch cover hinges in apparent satisfactory condition?

6.1.16 Can main and access hatch covers be safely secured in the open position?

6.1.17 Is a Hatch Cover Manual onboard and in a language understood by the crew? State hatch cover manufacturer

•Additional Information

Part D	
Sign Off	
Ship's Master:	
Surveyor:	
Owners Representative (if applicable):	

Upload Media

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