Report commissioned by:

Example client

Organisation:

Example company

PRE-SALE REPORT

EXAMPLE LPG CARRIER

IMO Number: 123456789

INSPECTED AT EXAMPLE PORT, IRELAND

1th MAY 2023

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Pre-sale report reference:	0/0000
Report commissioned for:	Example client
Organisation:	Example company
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Carbon Neutral Organisation PAS 2060

CONTENTS

ADDITIONAL DOCUMENTS

Vessel documents

Vessel photos

INSPECTION SUMMARY

Example, Ireland

1 May 2023

Status: Discharging

10 Hours Aboard

Majority of documents provided

The example vessel is an example DWT, example Gross Tonnage, example flagged, LPG Carrier vessel built to a good standard by example shipyard, in China, under example class supervision and was delivered on the 3rd March 2011. The vessel is now Classed with example class.

A Pre-Sale Inspection of the vessel was conducted on the 1st May 2023 in example port, Ireland by Idwal under instruction from example company.

Good cooperation was provided by the ship's crew however, no access was granted to the cargo holds or ballast tanks. The vessel was alongside, discharging at the time of inspection.

The vessel was found to be in good overall condition with an Idwal Grade above the average for vessels of a similar age, type and size but with a few notable items found during the inspection. These are reported specifically in the notable items section of this report.

84 IDWAL GRADE

VESSEL PARTICULARS

Ship Name	Example Vessel
Previous Name	Example Vessel 1
IMO Number	123456789
Port of Registry	Example Port
Ship Type	LPG Carrier
Flag	Example Flag
Classification Society	Example Class
Registered Owner	Example Owner
Technical Manager	Example Manager
Shipbuilder	Example Shipbuilder
Delivery Date	01/01/2008
Dead Weight	Example MT
Gross Tonnage	Example MT
Net Tonnage	Example MT
Length Overall	Example m
Breadth	Example m
Depth	Example m
Summer Draught	Example m
Lightweight	Example MT

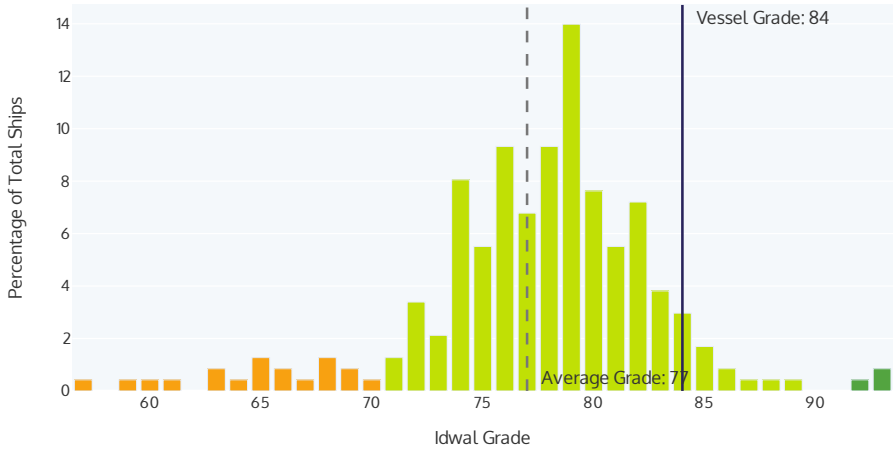
The onboard management was found to be good with the Safety Management system found to be well implemented and the vessel generally good. The vessel was found to provide a safe working environment. The Port State Control (PSC) history was found to be good to very good with 1 deficiencies and 0 detentions in the 3 inspections conducted in the past three years.

Given the good condition of the vessel it is estimated that the OPEX levels are likely to be as per industry norms for vessels of a similar age, type and size.

COMPARE YOUR IDWAL GRADE

This section of the report allows you to compare your ship's grade with similar ships.

Your Idwal Grade vs other LPG Tanker vessels



This graph shows the distribution of Idwal Grades against your ship's sector.

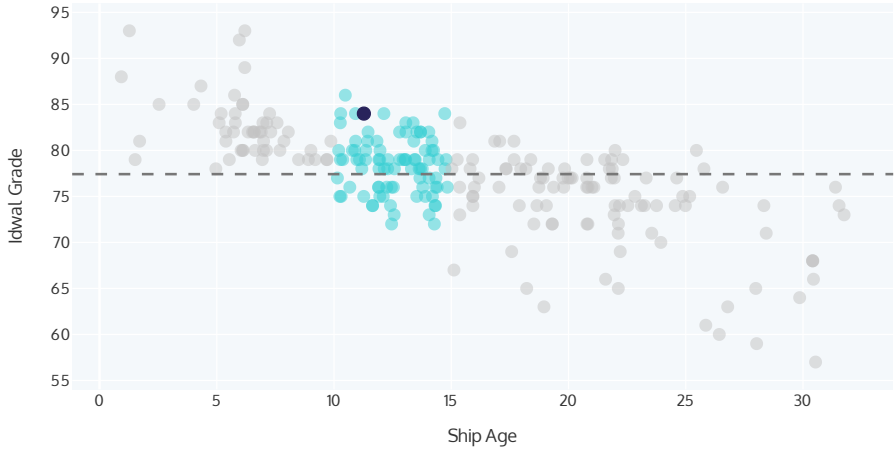
KEY

Your Idwal Grade — Average Idwal Grade - - -

Grade range

≥ 90 | 70 - 89 | 50 - 69 | 30 - 49

Your Idwal Grade vs other LPG Tanker vessels, age 10-15 years



This graph shows your ship's Idwal Grade compared against other ships inspected in the same sector, within a similar age range, and how it compares against the average Idwal Grade for the sector.

KEY

Your Idwal grade — Average Idwal grade - - -

All sector ships — Age comparable ships

The ship's grade may appear different when compared with the average of the two graphs. This is as a result of the second graph comparing a smaller and more focused sample of ships.

For a more in-depth analysis of where your vessel compares amongst its peers, please contact your Idwal sales rep.

KEY NOTABLE ITEMS

	Description	Action / Timeline	Estimated Cost [USD]
−	The davits and lowering arrangements were seen with corrosion around the pivot on the free-fall boat davit	Crew maintenance required.	<$1000
−	A minor indentation was observed on the port shoulder below the break of the fo'c's'le just above the anti-fouling.	To note.	$0
−	Provisions equipment was seen with some frosting visible on pipework outside of the actual storerooms, in the storeroom lobby.	De-frost and rectify root cause of excess ice build-up	$0
−	Ladder to the stores crane seen to be bent.	To be repaired.	$0
−	It was reported that an IMO approved BWTS is installed with no documentation provided onboard to verify it's USCG compliance	This is recommended to be further investigated	$0
−	The latest lube oil analysis reports showed Reduction Gear: Elemental analysis of the wear and contaminants shows an increase in the levels of iron. To be monitored as sampling progresses. Otherwise no concerns.	The oils should be refreshed and re-tested as soon as possible. Oils with only a 'caution' warning are suitable for continued use.	$0
✓	The vessel holds a Class approved Inventory of Hazardous Material (IHM)	An IHM is required for entry into EU ports.	$0
✓	The vessel is reportedly fitted with free to access unlimited use Wi-Fi system	None	$0
✓	The vessel has completed an out of water bottom survey within 12 months from the date of inspection.	None	$0
✓	The following additional engine room machinery is installed: cold ironing / shore power facilities	None	$0
✓	The vessel's stern tube is fitted with an Environmentally Acceptable Lubricant (EAL) so is VGP compliant in this regard for trading to the USA.	Positive.	$0

Please note, all costs are estimations only, based on industry averages, and may vary depending on locations and scopes of work. These costs are provided to assist the reader to consider the potential Capex or Opex impact of the related Notable Item and should not be used for budgeting purposes without further internal assessment of their accuracy.

DECARBONISATION SUMMARY

The vessel was seen to have an attained EEXI score of 25.0 which is below the required EEXI score. This has been validated as per the IEEC Certificate. As such the vessel is graded as very good (100) for forthcoming compliance. For more information about technologies to reduce a vessel's EEXI, the creation of the EEXI technical file or operational measures to reduce a vessel's Attained CII, please contact your Idwal sales representative.

EEXI

Required EEXI

24.96

$gCO_2/t.nm$

Attained EEDI/EEXI

25.00

$gCO_2/t.nm$

Vessel does not meet the EEDI/EEXI requirement and requires additional retrofitting of technologies

GRADING DATA

The Idwal Grade® is an industry recognised measure of asset integrity. Using proprietary algorithms, the Idwal Grade is programmatically calculated from over 500 individual data points, captured during a rigorous and standardised inspection process. Our data-driven methodology ensures that our reports are consistent, accurate and free from bias.

SUB GRADES

The methodology used to calculate the Idwal Grade® is also applied to the grading of the different vessel areas and categories. Two key areas are the overall vessel condition and vessel management:

Condition	82	Management	88

The following are grades representing individual areas of interest of the vessel:

Design and Construction	80	Hull	90
Mooring Decks	90	Weather Decks and Fittings	90
Ballast Tanks and Systems	80	Accommodation	80
Bridge and Navigation Equipment	80	Engine Room and Machinery	80
Fire Fighting Equipment and Systems	80	Lifesaving Appliances	80
Safe Working Environment	80	Pollution Control	80
Onboard Management	80	Vessel Capabilities and Cargo Systems	80
Forthcoming Regulatory Compliance	100	Crew Welfare	80
Crew Performance	80	Safety Management	80
Planned Maintenance System (PMS)	80	Classification and Certification	90
PSC Performance	90		

DESIGN AND CONSTRUCTION

80

The construction and design was found to be good overall, with the vessel built to IACS standards and Rules in China, by example shipyard with the keel laid on 20/05/2009. The vessel is a LPG Carrier, with 2 tanks, driven by a fixed pitch, direct drive propeller. The Main Engine is a NOx Tier 1, MAN B&W and the vessel has 3 NOx Tier 1 Auxiliary Engines, and no shaft generator. It is not on the Enhanced Survey Program or Extended Dry Docking schedule and does not hold a Class notation for in Water Surveys. The UTM report showed only minor steel diminution. Apart from the equipment required by international rules and regulations, the bridge is also fitted with differential-gps and the engine room and machinery are fitted with incinerator sludge burning system, UMS capabilities, centralised sea water cooling and cold ironing / shore power facilities.

NOTABLE ITEMS

Description	Estimated Cost [USD]
Issue: The following additional engine room machinery is installed: cold ironing / shore power facilities **Corrective Action:** None	$0

HULL

90

The hull was seen to be in a good to very good overall condition, with the hull able to be inspected from the port side only. The vessel was found to be free of major structural defects, however, a minor indentation was observed on the port shoulder below the break of the fo'c's'le just above the anti-fouling.

The hull was free of significant coating breakdown and corrosion. Hull markings were well painted and legible with minor marine fouling observed. The vessel's last out of water bottom survey was carried out on 19-May-22, with the vessel's next out of water bottom survey due by 19-May-25.

NOTABLE ITEMS

Description	Estimated Cost [USD]
Issue: A minor indentation was observed on the port shoulder below the break of the fo'c's'le just above the anti-fouling. **Corrective Action:** To note.	$0

Description	Estimated Cost [USD]
Issue: The vessel has completed an out of water bottom survey within 12 months from the date of inspection. **Corrective Action:** None	$0

MOORING DECKS

90

The Mooring decks were seen to be in a good to very good condition overall with the decks found to be free of structural defects and had only minor surface corrosion, up to approximately 5% of the mooring deck plating total surface area, mainly located around plate edges. Deck fittings were found to be in a good condition with fairleads and mooring rollers free to turn when tested. All Hydraulic windlasses and winches were reported to be fully operational and free from hydraulic leakage as observed. Mooring machinery was in generally good condition with the band brake linings seen to have substantial thicknesses. Anchor chains and mooring ropes were in a good overall condition. Mooring practices were seen to be good however, snap-back zone warnings were not posted at the entrance to mooring areas. The Bosun's store was in a good overall condition with no issues to the structure, coatings or housekeeping observed. The bitter end release arrangements were seen to be clear and unobstructed and the emergency towing booklet seen to be available near to the Foc'sle.

WEATHER DECKS AND FITTINGS

90

The Weather Decks and Fittings were seen to be in good to very good condition overall, with the decks found to be free of structural defects and had only minor surface and spot corrosion, up to approximately 5% of the main deck plating total surface area, mainly located around walkway plate edges. Deck fittings were found to be in a good condition with pipework and fittings free of leakages. The accommodation ladders and gangways were in a good overall condition, with no notable defects found, as were provisions lifting appliances.

BALLAST TANKS AND SYSTEMS

80

Ballast tanks and systems were deemed to be in a good overall condition. No tanks could be entered as not permitted with vessel alongside terminal and working cargo however, photographs of previous tank entries in 25-Mar-23 were provided for review. From the photographs provided, it was seen that the ballast tanks were found to be generally free of significant structural defects and were free of coating breakdown and corrosion. Ballast tank fittings such as ladders and pipework were seen to be in a good overall condition with Anodes seen to be depleted up to 10%. Tanks were seen to have no mud/sediment accumulation and were free of any signs of staining from sewage or marine fouling. Ballast control systems such as valves and gauges were reported to be fully operational and all ballast pumps were in good working order and in good visual condition. It was also noted no automatic anti-heeling pumps fitted.

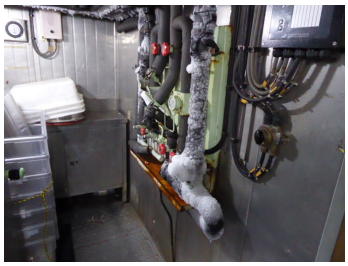
ACCOMMODATION

80

The accommodation areas were seen to be in a good condition overall with floor and wall coverings found to be in good condition and upholstery and furniture found to be free from deterioration and defects. The levels of housekeeping and cleanliness was found to be good but with the levels of hygiene in sanitary facilities seen to be fair due to some unpleasant odours in the toilets - possibly emanating from the scuppers. The hospital was seen to be well equipped and ready for use with the drugs seen to be controlled and secured and with the associated drugs log kept up to date. The accommodation was found to be outfitted to an average quality. The Crew Welfare was found to be in good overall with it noted that the vessel is fitted with a free and unlimited Wi-Fi system. There is a recreation room provided, with more comfortable seating than is available in the mess-rooms. However, this room is not apparently used other than occasionally as a smoke room, as a gym and for storing various items. There were numerous cardboard boxes lying on the seats at the time of the inspection. It was also noted the facilities differ between the senior-officers' cabins, officers' cabins and the crew cabins. Fridges, televisions and sofas are restricted to the Officers and the Senior Officers. The Air Handling Unit (AHU) was found to be maintaining a comfortable temperature and was seen to be in good condition with no defects. The galley equipment was deemed to be in a good overall condition with all equipment reportedly in good working order. The galley was found to be in a clean condition with the galley hoods also found to be kept clean. The vessel's walk-in cold rooms were found to be clean and hygienic with temperatures at the required levels. Provision room components were seen to have isolated defects such as some frosting visible on pipework outside of the actual storerooms, in the storeroom lobby. Lock-in releases tested during the inspection and found to be working. The external superstructure was found to be free of structural defects and had only minor surface corrosion, up to approximately 5% of the surface area, mainly located rust staining observed on the plate edges e.g. plate edges in way of the liferafts. The external superstructure fittings were seen to be in a fair overall condition due to ladder to the stores crane seen to be bent - although still fully usable but with all external accommodation doors in good working order and properly closing. There are fire-escape walkways and ladders fitted externally across the front of the accommodation at each deck level above the poop deck level.

NOTABLE ITEMS

Description	Estimated Cost [USD]
Issue: Provisions equipment was seen with some frosting visible on pipework outside of the actual storerooms, in the storeroom lobby. **Corrective Action:** De-frost and rectify root cause of excess ice build-up	$0



Description	Estimated Cost [USD]
Issue: Ladder to the stores crane seen to be bent. **Corrective Action:** To be repaired.	$0

Description	Estimated Cost [USD]
Issue: The vessel is reportedly fitted with free to access unlimited use Wi-Fi system **Corrective Action:** None	$0

BRIDGE AND NAVIGATION EQUIPMENT

80

The Bridge and navigation equipment were found to be in a good condition overall with housekeeping found to be good and with all bridge equipment reported to be fully operational. The vessel's VDR was found to be free from any unanticipated alarms with collection instructions posted nearby and with the Bridge Navigation Watch Alarm System (BNWAS) reported to be fully operational. The vessel's primary means of navigation, as listed on form E of the safety equipment certificate is a dual ECDIS system which were found to be up to date. An in-date compass deviation card was seen to be posted near to the helm and the compass deviation log was well maintained and without any major deviations. The vessel is licensed to cover GMDSS sea areas A1, A2, and A3 and had a valid shore-servicing agreement in place. The radio batteries were seen to be well maintained and in good condition and the EPIRB, SART and VHF handheld batteries were all in date as required. Berth to berth passage plans were seen on-board and were signed by all navigating officers with nautical publications provided in Paper and Electronic format. Master's standing and night orders were found to be signed by all navigating officers with the bridge log book correctly filled in and the GMDSS logbook also up to date and correctly filled in. The Monkey island was found to be in a good overall condition with the mast, aerials and antennas seen to be satisfactory and free of defects.

ENGINE ROOM AND MACHINERY

80

The Engine room and machinery were found to be in a good overall condition, with no significant defects reported or observed and with the engine room generally found to be very clean. During the inspection the Auxiliary Engines, pumps and sewage treatment plant were seen running. Bilges and tank tops were generally free of oil or water. Pipework was seen to be in good overall condition, free of leaks, temporary repairs and significant corrosion with pipework lagging seen to be all clean and intact. Housekeeping was seen to be to a good overall standard with the vessel found to be equipped with adequate critical spares as recommended by the ship manager Safety Management System (SMS) which were seen to be neatly stowed and secured. A review of the latest lube oil analysis reports provided showed some areas of concern as follows: reduction Gear: Elemental analysis of the wear and contaminants shows an increase in the levels of iron. To be monitored as sampling progresses. Otherwise no concerns. The NOx Technical file was up to date and last updated on 29-Mar-23. The Main Engine was reported to be fully operational and was seen to be in good condition, with no major visible defects. A review of the latest Main Engine performance report provided showed no areas of concern. A review of the latest engine running hours showed that the Cylinder heads, Pistons, Bearings and Cylinder liners overhauls were within the service hours. Propulsion systems, such as shafts, gearing and bearings including the Bow thruster were in good working order with no defects reported or sighted. The 3 Auxiliary Engines were reported to be fully operational and were seen to be in good condition, with no major visible defects. A review of the latest Auxiliary engines performance report provided showed no areas of concern. Auxiliary engines running hours data showed no areas of concern. All Auxiliary equipment was found to be fully operational and in good condition. The steering gear was seen in good working order, free of leakage with emergency steering instructions seen to be posted nearby. The machinery spaces are operated in Unmanned mode and the alarm and control system was seen to be free of any serious alarms. Electrical distribution systems including the main switchboard were in good working order and switchboard insulation readings were adequate.

NOTABLE ITEMS

Description	Estimated Cost [USD]
Issue: The latest lube oil analysis reports showed Reduction Gear: Elemental analysis of the wear and contaminants shows an increase in the levels of iron. To be monitored as sampling progresses. Otherwise no concerns. **Corrective Action:** The oils should be refreshed and re-tested as soon as possible. Oils with only a 'caution' warning are suitable for continued use.	$0

FIRE FIGHTING EQUIPMENT AND SYSTEMS

80

Fire Fighting Equipment and Systems were found to be in a good condition overall and generally free of fire hazards with all firefighting equipment seen to be regularly serviced and inspected. The fire detection and alarm system was found to be fully operational and was free of signs of tampering and alarms. The vessel is fitted with Water Spray and CO2 fixed firefighting in the engine room, Water Spray and CO2 for the cargo areas and Galley CO2 in the accommodation. Fixed firefighting systems were all reported to be in good working condition with operating instructions clearly posted. The main and emergency fire pumps were reportedly fully operational and both were found to be in a good condition, free of leakages. The fire main and ancillaries such as hydrants and valves were in good overall condition, free of defects. Fire extinguishers were all in good condition and all portable equipment were positioned in accordance with the fire plan. Firefighting outfits and associated equipment were all in good condition with BA equipment found fully charged and ready for use. The emergency generator was not tested during the inspection, but was reported to be in good working order and in a good overall condition. Remote shutdown emergency devices such as quick closing valves, machinery stops and ventilation dampers were deemed to be in a good overall condition with no defective shut down equipment. The fire doors were found to be in good condition, closing effectively and free from any unauthorised 'hold-open' arrangements.

LIFESAVING APPLIANCES

80

Lifesaving appliances were seen to be in a good overall condition with all equipment regularly serviced and inspected as required. The vessel is fitted with 1 free-fall lifeboat, which was seen to be in good overall condition externally and internally. The lifeboat engine was not tested during the inspection, but was reported to be in good working order. The vessel's rescue boat was found to be in a good overall condition and ready for immediate use. The vessel is equipped with 2 life rafts, which were found to be in good condition with Hydrostatic Release Units (HRUs) in date and correctly rigged. Davits and lowering arrangements were found to be in fair overall condition due to some evidence of corrosion around the pivot on the free-fall boat davit however, evidence of regular inspection and maintenance was provided and sighted. Ancillary lifesaving equipment such as lifejackets, immersion suits and EEBD's etc. were found to be in good condition and ready for immediate use with man overboard smoke and light signals seen to be in date. Embarkation ladders were found to be in a good, well maintained condition with the pyrotechnics and line throwing apparatus found to be stored appropriately and within their expiry dates. It was also noted there are fire-escape walkways and ladders fitted externally across the front of the accommodation at each deck level above the poop deck level, allowing escape via forward-facing cabin windows.

NOTABLE ITEMS

Description	Estimated Cost [USD]
Issue: The davits and lowering arrangements were seen with corrosion around the pivot on the free-fall boat davit **Corrective Action:** Crew maintenance required.	<$1000

SAFE WORKING ENVIRONMENT

80

Safe working was deemed to be good overall with no unsafe practices observed during the inspection and the vessel presenting a generally safe working environment. Hazards were seen to be clearly marked and external walkways adequately coated with non-slip paint and free of trip hazards. Adequate PPE was seen to be worn by crew at all times and portable gas detection meters were provided and calibrated. Hazardous substances were seen to be generally safely managed with appropriate Material Safety Data Sheets provided. Risk Assessments (RA) were seen to be up to date and satisfactory with enclosed space entry procedures followed and an effective Permit To Work (PTW) system in place. Main and emergency exits were clearly identified and unobstructed with all IMO signage seen to be satisfactory. Pilot ladders and boarding arrangements were seen to be in a good, safe condition. Regular drills were conducted on board with the last drill conducted on the 02-May-23, which was an MOB Drill drill.

POLLUTION CONTROL

80

Pollution control was deemed to be good overall and generally found to be well implemented on board with the vessel free of pollution hazards. The vessel holds a Class-approved Inventory of Hazardous Materials, which is required for entry into EU ports. The vessel's Oily Water Separator (OWS) was found to be fully operational and in good overall condition, with no obvious defects. The OWS was operationally tested during the inspection and the 15ppm Oil Content Meter (OCM) was seen to be calibrated. The bilge overboard was seen to be sealed against unauthorised opening and the oily water treatment system as a whole was seen to be free from signs of tampering or unauthorised modification. The SOPEP locker or box was found to be well stocked with SOPEP equipment in good condition though no accurate list was posted nearby due to no list seen in locker. Referred to as SMPEP on board. The Oil Record Book (ORB) was seen to be well-maintained and up-to-date, with the last entry on the 07-May-23. It was reported that an IMO approved Ballast Water Treatment System (BWTS) is fitted onboard with no documentation provided onboard to verify it's USCG compliance which was found to be fully operational and in good overall condition. The vessel's ballast record book was seen to be up to date and correctly filled in. The vessel is fitted with an airseal on the stern tube and an Environmentally Acceptable Lubricant (EAL) used in the bow thruster and is therefore Vessel General Permit (VGP) compliant in this regard. The vessel's sewage treatment plant was found to be fully operational and in good overall condition, with no obvious defects. Garbage segregation was found to be good, with adequate, labelled containers and garbage seen to be well sorted and containers seen to be made of approved non-combustible materials. The Garbage Record Book (GRB) was seen to be well-maintained and up-to-date, with the last entry on the 08-May-23. The Emission Control Area (ECA) change-over logbook was reviewed and found to be satisfactory with the date of last entry on 17-Aug-22. The vessel's incinerator was not fully operational due to tested but not used, as garbage can be disposed of ashore on this vessel's short trading pattern but was seen to be in good overall condition, with no obvious defects. The vessel complies with IMO 2020 regulations by employing the use of Very Low Sulphur Fuels Oils (VLSFO) with a sulphur content of less than 0.5%.

NOTABLE ITEMS

Description	Estimated Cost [USD]
Issue: It was reported that an IMO approved BWTS is installed with no documentation provided onboard to verify it's USCG compliance **Corrective Action:** This is recommended to be further investigated	$0

	Description	Estimated Cost [USD]
✓	**Issue:** The vessel holds a Class approved Inventory of Hazardous Material (IHM) **Corrective Action:** An IHM is required for entry into EU ports.	$0

	Description	Estimated Cost [USD]
✓	**Issue:** The vessel's stern tube is fitted with an Environmentally Acceptable Lubricant (EAL) so is VGP compliant in this regard for trading to the USA. **Corrective Action:** Positive.	$0

ONBOARD MANAGEMENT

80

Onboard management was found to be good overall. The computer-based Safety Management System (SMS) was deemed to be functioning and well implemented in general, with Permits to Work (PTW), risk assessments and procedures understood and followed. Onboard management was found to deal with accidents, near misses and deficiencies in an effective manner and regular safety committee meetings were carried out on board. The vessel's MLC certificate was valid with records of hours of rest (ILO) correct and up to date and maximum work hours not regularly exceeded. The PMS system was found to be kept up to date with no critical overdue work orders. The Class-approved system-based Planned Maintenance System (PMS) was fully integrated with the SMS for ordering of spares and general vessel management. The Port State Control (PSC) history was found to be good to very good with 1 deficiencies and 0 detentions in the 3 inspections conducted in the past three years. The vessel's flag is not targeted by any Memorandum of Understanding (MoU) or the USCG. Security access controls were deemed to be satisfactory with the vessel conforming to International Ship and Port Security (ISPS) standards. The Master and crew were prepared for the inspection and provided good cooperation with the majority of requested documents provided.

VESSEL CAPABILITIES AND CARGO SYSTEMS

80 Due to operational limitations it was not possible to enter any cargo tanks for inspection with previous crew inspection photos provided for review, with the cargo systems found to be in a good overall condition. The vessel has 2 cargo tanks with a total capacity of 3,677.67m3 with the vessel noted to be fitted with Deepwell cargo pumps, which were reported to be working as required. The condition of bulkheads and main structures, tank fittings such as valves, tank access arrangements (ladders, platforms, railings), pipes and pipe brackets was reported to be in a good condition. All required cargo equipment was reported to be fully operational. All cargo lines were seen to be appropriately labelled with minimal areas of breakdown noted. The manifold areas were seen to be free of any damage with all lines adequately marked. The cargo crane was inspected and seen to be free of any hydraulic leaks. The cargo pump emergency stops were properly located and sighted with the crew confirming that the ESD (emergency shutdown system) was fully operational and regularly tested. Cargo control room seen to be equipped with all associated cargo and ballast handling equipment and displays seen to be in functional order. Loading computer reported to be utilised for cargo loading/discharging monitoring & test conditions was seen to be operating free of any faults.

OPERATIONAL DATA

Operational Data Condition

Does the vessel have an Exhaust Gas Cleaning System (EGCS)? ☒ No

Total High Sulphur Fuel Oil (HSFO) capacity:	m^3
Total Very and Ultra Low Sulphur Fuel Oil (VLSFO and ULSFO) capacity:	395.0 m^3
Total Marine Gas Oil (MGO) and Diesel Oil (DO) capacity:	216.0 m^3

What fuel type does the vessel run on for the majority of the time?	Diesel / Gas Oil

Does the vessel have any energy efficiency technologies installed? ☒ No

Engines Table

	Main Engine 1	Main Engine 2	Aux Engine 1	Aux Engine 2	Aux Engine 3	Aux Engine 4
Designer	Example		Example	Example	Example	
Model	Example		Example (M)	Example (M)	Example (M)	
Mark/Series/Revision	10		Example	Example	Example	
Number of Cylinders	6		6	6	6	
Speed (RPM)	758		1,800	1,800	1,800	
Bore (mm)	270		159	159	159	
Stroke (mm)	380		159	159	159	
Specific Fuel Oil Consumption (SFOC) (g/kWhr) At 75% load for ME and 50% load for AEs, corrected to ISO conditions, as stated on Nox technical files	197.54		215	204.1	204.1	
Nox Tier	1		1	1	1	
Fuel Oil Consumption at full load (tonnes/day)	11.0		1.3	1.3	1.3	
Cylinder Oil Consumption (litres/day)	0.0		0.0	0.0	0.0	
System Oil Consumption (litres/day)	10.0		2.0	2.0	2.0	

Major Overhaul Interval (Hours)			26,000	26,000	26,000	
Running Hours since last overhaul (Hours)			14,317.0	13,584.0	15,089.0	

	Vessel Speed (knots)	Consumption (t/day)
Loaded Eco	11.00	10.00
Loaded Service	13.00	11.50
Ballast Eco	11.0	9.5
Ballast Service	13.0	11.0

Main Engine Maintenance

Component	Condition Based Monitoring?	Overhaul Interval
Cylinder Heads		24,000
Pistons		24,000
Bearings		24,000
Cylinder Liners		24,000

Main Engine No.1	Unit Running Hours											
	1	2	3	4	5	6	7	8	9	10	11	12
Cylinder Heads	15,765	15,765	15,765	15,765	15,765	15,765	15,765	15,765				
Pistons	15,765	15,765	15,765	15,765	15,765	15,765	15,765	15,765				
Bearings	15,765	15,765	15,765	15,765	15,765	15,765	15,765	15,765				
Cylinder Liners	15,765	15,765	15,765	15,765	15,765	15,765	15,765	15,765				

Class Surveys

Were all Class and Statutory certificates valid? ☑ Yes

Is the vessel on the Extended Dry Docking (EDD) program? ☒ No

Is the vessel on the Enhanced Survey Program (ESP)? ☒ No

Does the vessel have an In Water Survey Class notation? ☒ No

Is the vessel ice classed? ☒ No

Survey	Date Last Completed	Date Next Due
Main / Special / Renewal	19-May-22	05-Feb-27
Intermediate		05-May-25
Annual	27-Apr-23	05-Feb-24
Bottom in dry dock	19-May-22	19-May-25

What was the location of the last out-of-water docking?	*Example shipyard*
Is the vessels last dry dock report provided and attached?	☒ No
Provide details of works done in last dry dock	*Anchors lowered and cables ranged. Windlasses overhauled. Hull blasted and painted. Otherwise details not on board and Master was not on board for the dry-docking and so could not provide additional information.*
Has the vessel remained with the same flag since build?	☒ No
Please provide details of previous flags	*Example flag*
Has the vessel remained with the same Class since build?	☒ No
Please provide details of previous Class societies	*Example class*
In total, how many of the following does the vessel have?: Conditions of Class, Recommendations of Class, Statutory Findings, Statutory Items, Conditions of Authority, Etc.	0
Does the vessel have any Class Memos, Observations or Additional Requirements?	☑ Yes
Please provide further details	*Issued: 21 Jan 2,017 Description: Compliance with amendments to regulation 12 of MARPOL Annex I, as adopted at MEPC 68 by resolution MEPC.266(68) has been verified on 18 January 2,017 during this first renewal survey.*
The cost for the next out of water bottom survey or dry docking based on a far eastern shipyard and includes all survey and normal maintenance costs is approximately estimated at:	800,000
What was the status of the vessel at the time of inspection?	Discharging

DESIGN AND CONSTRUCTION

Design and Construction Condition

Has the vessel been built to the standards and Rules of an IACS-member Class Society?

☑ Yes

Under what IACS Class society supervision was the vessel built?	Example class
Did the vessel provide Ultrasonic Thickness Measurement (UTM) reports?	Yes
Did the UTM report show any diminution of steelwork?	Minor

Please provide further details

The latest UTM report provided showed minor levels of steel diminution.

Hull & Structure

Bridge & Communication

What features were seen on the bridge?

☑ Differential-GPS

Engine Room & Firefighting

☑ Incinerator sludge burning system

Incinerator fitted but not in use, except for weekly testing

☑ UMS Capabilities (regardless of Class notation)

Vessel runs in UMS mode at sea

☑ Centralised Sea Water cooling

One cooler cools all the cooling water for main and auxiliary engines, A/C unit ship's refrigeration system

☑ Cold Ironing / Shore Power facilities

Facilities for connecting to shore power fitted in emergency generator room, but only used in dry-dock

HULL

Hull Condition

What sections of the hull were inspected?	Port side

Was the vessel free of any major structural damage or indentations? ☑ Yes

Was the vessel free of any minor structural damage or indentations? ☒ No

A minor indentation was observed on the port shoulder below the break of the fo'c's'le just above the anti-fouling. This would not have affected any of the major structural members such as frames.

What was the level of Hull coating breakdown and corrosion?	None
What was the condition of the hull markings?	Well painted and clearly legible
What level of marine fouling was seen?	Minor

Were fenders installed on the hull? ☒ No

MOORING DECKS

Mooring Decks Condition

Were the decks free of any structural damage or deformations?	☑ Yes
What was the level of coating breakdown and corrosion observed on the decks?	Minor
Coating breakdown and corrosion was mainly located in the following areas:	around plate edges.
The amount of surface area coating breakdown and corrosion was approximately:	5%
Type of coating breakdown and corrosion:	☑ Surface
What was the general condition of the deck fittings?	Good
Were fairleads and mooring rollers free to move when tested?	☑ Yes
Were all mooring machinery reported to be fully operational?	☑ Yes
What type of windlass(es) and winches were fitted?	Hydraulic
Were the windlass(es) and winches seen to be free of hydraulic oil leaks?	☑ Yes
Was the mooring machinery hydraulic pump unit (HPU) seen to be free from leaks?	☑ Yes
What was the condition of the mooring machinery?	Good

What amount of band brake lining was seen to be remaining?	Substantial
What condition were the visible sections of the anchor chains seen to be in?	Good
What type of mooring lines did the vessel have?	Rope
What was the condition of the mooring ropes / wires?	Good

Were safe mooring practices observed? i.e. no overlapping turns on split drum, chafing of lines or unsafe leading. ☑ Yes

Was the last brake test seen to be stencilled on the mooring winches? ☑ Yes

Date of last test	*16-May-23*

What type of snap back warning signs/zones were posted?	Zones stencilled on deck plating

Please provide further details *Snap-back zones were still seen to be marked on the deck plating*

Was the Bosun's / Foc'sle store available for inspection? ☑ Yes

What was the condition of the bosun's store structure?	Structurally sound with no visible damage
What was the condition of the bosun's store coatings?	Coatings fully intact with no corrosion
Was the condition of the bosun's store housekeeping?	Neat and tidy with items secured

Were the bitter end release arrangements seen to be clear and unobstructed?	☑ Yes
Was an 'emergency towing booklets/procedures' available near to the foc'sle?	☑ Yes

WEATHER DECKS AND FITTINGS

Weather Decks and Fittings Condition

Were the decks free of any structural damage or deformations? ☑ Yes

What was the level of coating breakdown and corrosion observed on the decks?	Minor
Coating breakdown and corrosion was mainly located in the following areas:	around walkway plate edges
The amount of surface area coating breakdown and corrosion was approximately:	5%

Type of coating breakdown and corrosion: ☑ Surface ☑ Spot

What was the general condition of the deck fittings e.g handrails, brackets, vent heads, walkways, lighting etc.?	Good

Does the vessel have mooring winches fitted on the main deck? ☒ No

Were deck equipment and pipework free of leakages? ☑ Yes

What was the condition of the accommodation ladders or gangways?	Good

Was the vessel fitted with a provision lifting appliance(s)? ☑ Yes

What was the condition of the provision lifting appliance(s)?	Good

Does the vessel carry any major spares on external decks e.g. propeller blades, anchor etc. ☒ No

BALLAST TANKS AND SYSTEMS

Ballast Tanks and Systems Condition

Were ballast tanks entered?	☒ No
Please provide further details	*Reason tanks were not entered: Not permitted with vessel alongside terminal and working cargo*
Were recent (last 12 months) ballast tank inspection photographs provided?	☑ Yes
Date photos were provided:	*25-Mar-23*
Were inspection reports or reports of the tanks condition provided?	☑ Yes
Were the tanks free of any structural damage or indentations?	☑ Yes
What was the level of Ballast Tank coating breakdown and corrosion?	None
What was the condition of ballast tank fittings (e.g. ladders, handrails, pipes & manhole seals)?	Good
Were the ballast tanks fitted with sacrificial anodes?	☑ Yes
Anode depletion:	*10%*
How much mud/sediment was seen inside the ballast tanks?	None
Please provide further details	*%*
Were the tanks seen to be free from any signs of staining from oil, sewage or marine fouling?	☑ Yes

Were ballast tank manhole covers seen to be in good condition?	☑ Yes
Were the remote ballast control systems fully operational (e.g. valves, gauging etc)?	☑ Yes
Were the ballast and/or anti-heeling pumps reported to be fully operational?	☑ Yes

What condition were the ballast and/or anti-heeling pumps in?	Good

ACCOMODATION

Internal Accomodation Condition

Were accommodation spaces used for their assigned purposes?	☒ No	*there is a recreation room provided, with more comfortable seating than is available in the mess-rooms. However, this room is not apparently used other than occasionally as a smoke room, as a gym and for storing various items. There were numerous cardboard boxes lying on the seats at the time of the inspection.*

What was the condition of the flooring and wall coverings?	Good
What was the condition of the upholstery and furniture?	Good
What were the general levels of housekeeping and cleanliness?	Good
What was the level of hygiene of the sanitary facilities?	Fair

Please provide further details	*Some unpleasant odours in the toilets - possibly emanating from the scuppers.*

Was all laundry equipment in good working order?	☑ Yes
Was the Hospital well equipped and ready for use?	☑ Yes
Were the drugs found to be controlled and secured with the associated drugs log kept up to date?	☑ Yes

What was the quality of accommodation outfitting?	Average quality of outfitting

Did the Air Handling Unit (AHU) maintain a comfortable temperature?	☑ Yes
What was the condition of the AHU?	Good

Galley Condition

What was the level of cleanliness in the Galley?	Clean
Was all galley equipment operational?	☑ Yes
What was the general condition of galley equipment?	Good
Were the insides of Galley hoods clean?	☑ Yes
What type of cold provisions stores does the vessel have?	Walk-in stores / Cold rooms
Were provisions stores well organised with no provisions stored directly on the deck?	☑ Yes
Were provisions stores clean and hygienic?	☑ Yes
Were provisions stores at the required temperatures?	☑ Yes
Were provision stores temperatures recorded and records kept nearby?	☑ Yes
Were provisions machinery, pipework and door seals free of frosting and deterioration?	☒ No *Some frosting visible on pipework outside of the actual storerooms, in the storeroom lobby. Lock-in releases tested during the inspection and found to be working.*
Were lock-in alarms or handles in good working condition?	☑ Yes

External Areas Condition

Was the external Superstructure / Accommodation Block found to be free from damages?	☑ Yes

Were accommodation external doors found to be in good condition and providing an adequate seal? ☑ Yes

What was the level of external accommodation superstructure coating breakdown and corrosion?	Minor
Coating breakdown and corrosion was mainly located in the following areas:	rust staining observed on the plate edges e.g. plate edges in way of the liferafts.
The amount of surface area coating breakdown and corrosion was approximately:	5%

Type of coating breakdown and corrosion: ☑ Surface

What was the general condition of external superstructure fittings?	Fair

Please provide further details

Ladder to the stores crane seen to be bent - although still fully usable.

Crew Welfare

What is the average contract length for crew members?

Officers:	5 Months
Crew:	8 Months

Was Wi-Fi provided on-board?	Yes, Free, Unlimited

What is the approximate average internet speed?	Average (Able to access social media apps and websites with ease)

Is access provided to catering facilities or food at all times? ☑ Yes

What Public Recreation equipment did the crew have access to?

- [x] Free Weights
- [x] Treadmill
- [x] Cycling Machine
- [x] Television
- [x] Karaoke
- [x] Entertainment Library - Books, DVDs, Games, etc.
- [x] En-suite facilities for all crew members

What was the quality of crew recreation facilities?	Fair

Crew recreation facilities were to a fair/poor standard due to:

Recreation room seen to be used more for storage than recreation. Some fitness machines provided including a treadmill and a cross-trainer

Are crew given time and resources to celebrate religious or cultural events (i.e. Christmas, Independence days etc.)?

- [x] Yes

What facilities were provided in crew cabins?

- [x] Fridge
- [x] Television
- [x] Sofa
- [x] Desk
- [x] Ample storage

Does the vessel have any onboard training facilities?	Yes

Type of onboard training facilities:

- [x] Seagull

Is there a crew suggestion policy in place?

- [x] Yes

Does the crew have access to a bonded store?	Yes, minimal stock

Are the crew given additional periods of rest throughout the working week (e.g Sunday off)?	Yes

BRIDGE AND NAVIGATION EQUIPMENT

General Condition

Was all the bridge equipment reported to be fully operational?	☑ Yes
Was the bridge found to be clean and well maintained with good housekeeping?	☑ Yes
Were all required bridge equipment annual performance tests (e.g. VDR and AIS) completed in the last 12 months?	☑ Yes
Was the vessel fitted with a Voyage Data Recorder (VDR)?	☑ Yes
Type of VDR fitted:	*VDR*
Was the VDR seen to be free from any unanticipated alarms?	☑ Yes
Were the VDR collection instructions posted and known to the Master?	☑ Yes
Was the vessels Bridge Navigation and Watch Alarm System (BNWAS) fully operational, and turned on when at sea?	☑ Yes
Normal time setting at sea	*12 mins*

Navigation Condition

	Primary	Secondary
What was the vessels primary & secondary means of navigation as listed on Form E?	ECDIS	ECDIS

Were the primary & secondary means of navigation found to be up to date?	☑ Yes

Latest update week	*19*

Does the vessel receive up to date weather information?	☑ Yes	*10-May-23*

What type of weather updating service does the vessel use?	Digital subscription

Was an in-date compass deviation card posted near to the helm?	☑ Yes
Was a compass deviation log kept, up to date and free of any major deviations?	☑ Yes
Were azimuth rings (bearing diopters) found to be available on the bridge?	☑ Yes

Communication Condition

What GMDSS sea areas was the vessel licensed to cover?	☑ A1	☑ A2	☑ A3	☒ A4
Were the radio batteries seen to be in good condition?	☑ Yes			
Were the EPIRBs, SARTs and Emergency Hand Held VHF Batteries within their expiry dates?	☑ Yes			

	Battery expiry dates
EPIRBS	30-Oct-27
SARTs	31-Mar-25
VHF	31-Jan-26

Was a valid GMDSS shore servicing certificate seen to be posted near to radio equipment?	☑ Yes

Documentation Condition

Were berth to berth passage plans seen on-board?	Yes
Were passage plans signed by all navigating officers?	☑ Yes
What format were nautical publications provided in?	Paper and Electronic
Were the Master's standing orders and night orders found to be signed by all navigating officers?	☑ Yes
Was the bridge log book up to date and correctly filled in?	☑ Yes
Was the GMDSS log book up-to-date and correctly filled in?	☑ Yes
Date of last test	*27-Apr-23*

External Condition

Was the Monkey Island found to be in good, well maintained condition?	☑ Yes
Were the main mast, aerials and antennas seen to be in good condition and free from damage?	☑ Yes
Were bridge wing manoeuvring controls fitted?	☑ Yes
Were the bridge wing manoeuvring controls reported to be fully operational and free from signs of water ingress?	☑ Yes
Were bridge wing engine speed and compass repeaters seen to be in good working condition?	☑ Yes

ENGINE ROOM AND MACHINERY

General Condition

What equipment was seen running?	☑ Auxiliary Engines ☑ Sewage treatment plant	☑ Pumps ☑ Refrigeration Compressor
Was the engine room free of any significant defects, either reported by crew or observed?	☑ Yes	
What was the general cleanliness of the Engine Room?	Very Clean	
Were bilges and tank tops free of oil and water?	☑ Yes	
Was housekeeping to a good overall standard?	☑ Yes	
Was the vessel equipped with adequate critical spares as recommended by the ship manager Safety Management System (SMS)?	☑ Yes	
Were spares neatly stowed and correctly secured?	☑ Yes	
Were all sounding pipe self-closing devices in good working order and sounding pipes capped?	☑ Yes	
Were recent copies of lube oil analysis reports provided for review?	☑ Yes	
Were any caution (amber) or action (red) alerts seen on the lube oil analysis reports?	☑ Yes	*Reduction Gear: Elemental analysis of the wear and contaminants shows an increase in the levels of iron. To be monitored as sampling progresses. Otherwise no concerns.*
Was the NOx Technical file kept up to date?	☑ Yes	
Date of entry:		*29-Mar-23*
Were Chief Engineer Standing Orders clearly posted and signed by all engineers?	☑ Yes	

Were all machinery special tools provided and in good condition?	☑ Yes

Main Engine Condition

Was the main engine in good working condition?	Yes
What condition did the Main Engine appear to be in?	Good
Were Main Engine performance reports provided for review?	☑ Yes
Were the performance reports satisfactory?	☑ Yes
Was there any overdue maintenance on the Main Engine Turbochargers?	☒ No

Propulsion

What type of propulsion does the vessel have?	Fixed Pitch Propeller (FPP)
Were the Propulsion systems, including shafts, machinery and electric motors, if relevant, in good working condition?	☑ Yes
What type of thruster systems does the vessel have?	☑ Bow Thruster
Was the thruster(s) in good working condition?	☑ Yes
What condition did the thruster(s) appear to be in?	Good

Power Generation

How many Auxiliary Engines does the vessel have?	3
Were the auxiliary engines in good working condition?	☑ Yes

What condition did the Auxiliary Engines appear to be in?	Good

Were Auxiliary Engines performance reports provided for review? ☑ Yes

Were the performance reports satisfactory? ☑ Yes

Does the vessel have a shaft generator? ☒ No

Does the vessel have a shaft motor (Power Take-In)? ☒ No

Auxiliary Machinery

Does the vessel have an Auxiliary Boiler? ☒ No

Equipment	Fully operational?	Condition
Purifiers	Yes	Good
Pumps	Yes	Good
Coolers	Yes	Good
Air Compressors	Yes	Good
Fresh Water Generator	Yes	Good
Filters	Yes	Good
Fans	Yes	Good
Refrigeration Systems	Yes	Good

Was all engine room pipework free of leakages? ☑ Yes

Was all pipework free of temporary repairs? ☑ Yes

Was all pipework free of corrosion or soft patches?	☑ Yes
What condition was pipework lagging in?	Clean
Was the steering gear in good working condition?	☑ Yes
Was the steering gear free of leakages?	☑ Yes
Was the emergency steering communication equipment and gyro repeater working as required?	☑ Yes
Were emergency steering instructions posted nearby?	☑ Yes
Was the Engine workshop clean and tidy?	☑ Yes

ECR and Electrical

Was the Engine Control Room clean and tidy?	☑ Yes
Was the Engine Control and Alarm system free of any serious alarms?	☑ Yes
Does the vessel have an Unmanned Machinery Space (UMS) notation?	☑ Yes
Does the machinery space operate in UMS mode?	☑ Yes
Were all Electrical distribution systems in good working condition?	☑ Yes
Were Main Switchboard Insulation readings adequate?	☑ Yes
Were distribution and switchboard panels protected with approved rubber matting?	☑ Yes

FIRE FIGHTING EQUIPMENT AND SYSTEMS

Fire and Safety Appliances Condition

Was the vessel free of fire hazards? ☑ Yes

Was all fire and safety equipment regularly serviced? ☑ Yes

Date of last service	27-Apr-23

Were all relevant Fire and Safety instructions correctly posted? ☑ Yes

What was the vessels Fixed fire detection systems?

Engine Room	Cargo Holds	Accomodation
☑ Flame	☒ Flame	☑ Flame
☑ Smoke	☒ Smoke	☑ Smoke
☑ Heat	☒ Heat	☑ Heat
☒ Smoke & Heat (Combined)	☒ Smoke & Heat (Combined)	☒ Smoke & Heat (Combined)

Was the fire detection system reportedly fully operational? ☑ Yes

Was the fire detection system free of alarms or signs of tampering? ☑ Yes

What is the vessels Fixed firefighting systems?	Engine Room	Cargo Holds	Accomodation
	☑ CO2	☑ CO2	☒ Water Mist
	☒ Foam	☒ Deck Foam	☑ Galley CO2
	☑ Water Spray	☑ Water Spray	☒ Wet Chemical
	☒ None	☒ None	☒ None

Were all fixed fire fighting systems in good working condition?	☑ Yes
Were clear operating instructions posted for the fixed firefighting systems?	☑ Yes
Was the fixed firefighting system release protected against unauthorised operation?	☑ Yes
Was the main fire pump working?	☑ Yes
Was the emergency fire pump working?	☑ Yes
Was a fire pump tested during the inspection?	☒ No
Were the main and emergency fire pumps in good condition and free of leakages?	☑ Yes
What was the condition of the fire main and ancillaries such as pipework hydrants and valves?	Good
Does the vessel have a fire control station?	☑ Yes
Were all portable equipment in place as per the fire plan?	☑ Yes
Were all fire extinguishers in good condition?	☑ Yes
Were the firefighting outfits and associated equipment in good condition?	☑ Yes
Were the International Shore Connections on board?	☑ Yes
Location:	*Externally on port and starboard sides of accommodation on poop deck.e*

Was the BA equipment fully charged in good condition?	☑ Yes
Was the Emergency Generator tested during the inspection?	☒ No
Was the Emergency Generator in working order?	☑ Yes
Were Emergency Generator Starting instructions clearly posted?	☑ Yes
What was the condition of the Emergency Generator?	Good
Was the "18 hour" fuel level marked on the emergency generator fuel tank?	☑ Yes
Was the Quick Closing Valve system in good working order?	☑ Yes
Were fire doors in good condition and effectively closing?	☑ Yes
Were fire doors free of unauthorised "hold-open" arrangements?	☑ Yes
Were all ventilation dampers remote closing positions well labelled and in good working order?	☑ Yes
Were all remote machinery shutdown systems well labelled and in good working order?	☑ Yes

LIFESAVING APPLIANCES

Lifsaving Appliances Condition

Were all Lifesaving Appliances regularly serviced? ☑ Yes

Date of last service:	27-Apr-23
How many lifeboats is the vessel equipped with?	1
What type of lifeboat is the vessel fitted with?	Free-fall
What was the external condition of the lifeboat(s)?	Good
What was the internal condition of the lifeboat(s)?	Good

Were Lifeboat Engines able to be tested? ☒ No

Were lifeboat engines in good working order? ☑ Yes

What was the condition of the rescue boat?	Good
How many life rafts does the vessel have?	2
What was the condition of the life rafts?	Good

Were Liferaft Hydrostatic Release Units (HRU) in date and correctly rigged? ☑ Yes

What was the condition of the Davits and lowering arrangements for the lifeboat(s), rescue boat and liferafts?	Fair
Please provide further details	*Some evidence of corrosion around the pivot on the free-fall boat davit*
What Date is the next Davit wire due for change?	25-Apr-27

Were legible launching/recovery instructions posted near to survival craft?	☑ Yes
Was evidence of regular maintenance, service and inspection of the launching appliances sighted and evident?	☑ Yes
What was the date of the last abandon ship drill?	02-May-23
Were all lifejackets, immersion suits, EEBDs and other lifesaving ancillary equipment in good condition and ready for use?	☑ Yes
Were Man Overboard Buoy (MOB) smoke and light signals in date?	☑ Yes
Were the embarkation ladders in a good, well maintained condition?	☑ Yes
Were pyrotechnics and line throwing apparatus available, stored in an appropriate container and within their expiry dates?	☑ Yes

SAFE WORKING ENVIRONMENT

Safe Working Environment Condition

Were any unsafe practices observed during the inspection?	☒ No
Did the vessel provide a safe working environment?	☑ Yes
Were all hazard markings clear?	☑ Yes
Were external walkways adequately coated with anti-slip paint and free of trip hazards?	☑ Yes
Are all hazardous substances including safely managed and stored with relevant Material Safety Data Sheets (MSDS)?	☑ Yes
Is Personal Protective Equipment (PPE) provided and worn by crew?	☑ Yes
Are 'Enclosed Space Entry' procedures implemented?	☑ Yes
Is an effective Permit To Work (PTW) process implemented?	☑ Yes
Date of last PTW:	12-Apr-23
Is an effective Risk Assessment (RA) process in place?	☑ Yes
Was evidence of the annual and 5-yearly inspections of both fixed and portable lifting equipment and appliances sighted?	☑ Yes
Are main and emergency exits clearly identified and unobstructed?	☑ Yes
Are sufficient portable oxygen and gas detection meters provided and regularly calibrated?	☑ Yes
Date of last calibration:	21-Mar-23

What is the working language of the vessel?	English

Are standing orders, procedures, instructions and manufacturers' manuals written in a language which can be understood by the crew?	☑ Yes
Are all IMO signs correctly placed, and compliant with IMO requirements?	☑ Yes
Is the vessel equipped with an approved SOLAS training manual?	☑ Yes
Were the pilot ladders and boarding arrangements in a good, safe condition?	☑ Yes
Are regular drills conducted on board?	☑ Yes

Last drill date	02-May-23
Last drill type	MOB Drill

POLLUTION CONTROL

General Condition

Was Pollution Control well implemented within the on board Safety Management System (SMS)?	☑ Yes	
Is the vessel free of pollution hazards?	Yes, with no hazards	
Does the vessel have a Class approved Inventory of Hazardous Materials (IHM)?	☑ Yes	*The vessel holds a Class approved Inventory of Hazardous Material (IHM)*

Oil - Marpol Annex I

Is an Oily Water Separator (OWS) fitted?	☑ Yes	
Was the OWS reportedly operational?	☑ Yes	
What was the condition of the OWS?	Good	
Was the OWS Tested?	☑ Yes	
Means of testing	*Operational*	
Was the 15ppm meter calibrated?	☑ Yes	
Date of calibration		*23-Nov-21*
Was the Bilge Overboard valve secured against unauthorised opening with adequate signage and warnings posted?	☑ Yes	
Means of securing	☑ Sealed	

Was the oily water treatment system including valves and pipework free of any signs of tampering, bypass, or modifications?	☑ Yes	
Was the SOPEP locker or box well stocked?	☑ Yes	
What was the condition of the SOPEP equipment?	Good	
Was a list of SOPEP equipment posted and accurate?	☒ No	*No list seen in locker. Referred to as SMPEP on board.*
Was the Oil Record Book (ORB) up to date and correctly filled in?	☑ Yes	
Date of last entry	*07-May-23*	
Category of last entry	*11.1, 11.2, 11.3, 11.4*	
Were previous bunkering checklists correctly filled out?	☑ Yes	
Date of last bunkering	*22-Mar-23*	
Were bunker samples correctly stored?	☑ Yes	
Does the vessel have a Ballast Water Treatment System (BWTS) fitted?	☑ Yes	

Ballast Water Treatment System

Manufacturer:	Example BWTS Manufacturer
Type:	UV
What regulation is listed on the Ballast Water Management Certificate?	D-2
Type of BWTS approval:	IMO approval

Was the BWTS operational?	☑ Yes
What was the condition of the BWTS?	Good
Was the Ballast Record Book up to date and correctly filled in?	☑ Yes
Date of last entry	*08-May-23*
Is the Vessel General Permit (VGP) compliant?	☑ Yes *Due to the use of an EAL or the airseal arrangements in place for the stern tube, the vessel is considered VGP compliant in this regard for trade to the USA*
How is the vessel VGP Compliant? *Environmentally Acceptable Lubricant	☑ Stern Tube Airseal ☑ Bow Thruster EAL
Type of EAL	*Clarity synthetic gear oil 100*

Sewage - Marpol Annex IV

Was a Sewage Treatment Plant fitted?	☑ Yes
Was the Sewage Treatment Plant operational?	☑ Yes
What was the condition of the Sewage Treatment Plant?	Good
Does the vessel have a sewage holding tank?	☑ Yes
What was the condition of the Sewage Holding Tank?	Good

Garbage - Marpol Annex V

How was the condition of Garbage segregation?	Good

Were Garbage containers of approved, non-combustible type?	☑ Yes	
Was the Garbage Record Book (GRB) up to date and correctly filled in?	☑ Yes	
Date of last entry		*08-May-23*
Category of last entry	*A, C*	

Air - Marpol Annex VI

How does the vessel comply with IMO 2,020 regulations?	Use of Very Low Sulphur Fuel Oils (VLSFO), MGO, DO etc.	
Does the vessel use Ozone Depleting Substances (ODS) as Refrigerant Gas?	☒ No	
Was an Incinerator fitted?	☑ Yes	
Was the Incinerator operational?	☒ No	*Tested but not used, as garbage can be disposed of ashore on this vessel's short trading pattern*
What was the condition of the Incinerator?	Good	
Does the vessel have an Emission Control Area (ECA) change-over log?	☑ Yes	
Date of last entry		*17-Aug-22*

EEXI

Does the vessel have an EEDI score assigned at build?	☑ Yes	
What is the EEDI score?	*25*	

What fuel type does the vessel run on for the majority of the time?	Diesel / Gas Oil

Does the vessel have any energy efficiency technologies installed? ☒ No

Is the vessel ice classed? ☒ No

Main Engine(s)

Specific Fuel Oil Consumption (SFOC) (g/kWhr):	197.54

Auxiliary Engines

Specific Fuel Oil Consumption (SFOC) (g/kWhr):	215

Does the vessel have a shaft motor (Power Take-In)? ☒ No

What is the expiry date of the International Air Pollution Prevention (IAPP) certificate?	05-Feb-27

ONBOARD MANAGEMENT

Onboard Management Condition

Does the vessel have a functioning Safety Management System (SMS)?	☑ Yes
How was the SMS Implemented?	Software / Electronic System
Were the officers familiar with, and allowed easy access to, the SMS?	☑ Yes
Was the SMS well implemented on board, with Permits to Work, Risk Assessments and Safety procedures understood and followed?	☑ Yes
Is the SMS system regularly reviewed by the Master?	☑ Yes
Date of last review	29-Jun-22
Does the vessel management deal with accidents, near-misses and deficiencies in an effective manner?	☑ Yes
Are regular safety committee and management meetings carried out on board?	☑ Yes
Does the vessel have a valid MLC certificate?	☑ Yes
Were Hours of Rest (ILO) records correct and up to date?	☑ Yes
Last updated	09-May-23
Are hours of maximum permissible work regularly exceeded?	☒ No
Is an effective Planned Maintenance System (PMS) implemented and kept up to date?	☑ Yes

What type of Planned Maintenance System (PMS) does the vessel have?	Class-approved system
Name of PMS	Example PMS

Was the PMS a fully integrated type system? (i.e. has integration with the SMS, spares ordering and is accessible by shore side management) ☑ Yes

Were there any critical overdue PMS work orders? ☒ No

Port State Control (PSC) inspection history

No. of Inspections in Past three years:	3
No. of Deficiencies in Past three years:	1
No. of Detentions in Past three years:	0

Is the vessel flag targeted by Port State Authorities? ☒ No

Is an effective system of security access control, conforming to ISPS standards, in place upon boarding the vessel? ☑ Yes

Type of access control	Deck watchman, visitor book and pass

Do the Master and Chief Engineer have an effective hand over procedures? ☑ Yes

Are random or specific drug and alcohol testing carried out? ☑ Yes

Tests Carried out by	Onboard by Master	External Company

Were the Master and crew prepared for the Inspection? ☑ Yes

What level of cooperation was provided by the crew and Master?	Good
Were documents provided as requested?	Majority of documents provided
What was the overall impression of the general management of the vessel?	Well managed

VESSEL CAPABILITIES AND CARGO SYSTEMS - GAS CARRIER

Cargo Tanks

How many Cargo Tanks does the vessel have?	2
How many cargo segregations can the vessel carry?	1
Type of Gas Carrier	LPG
Type of Containment	Fully-Pressurised

Cargo Tank Capacities	(m³)
CT No.1 combined	1,832
CT No.2 combined	1,833

Cargo Tank Capacities	(m³)
Total Capacity	3,665

Were the Cargo tanks able to be entered and inspected? ☒ No

Why were tanks not entered? *Loaded*

Were recent vessel cargo tank inspection photographs provided?	☑ Yes
Date photographs were taken:	*28-Mar-22*
Were cargo tank structural members found to be free from damage?	☑ Yes
Were the cargo tank fittings such as ladders, hand rails and pipe guards etc. found to be free from damage?	☑ Yes
Does the vessel have void spaces surrounding the cargo tanks?	☑ Yes
Were the void spaces and cofferdams surrounding the cargo tanks able to be entered for inspection?	☒ No
Were the void spaces and cofferdams adjacent to cargo tanks free of any cold spots with no damage/deterioration to insulation.	☑ Yes
Does the vessel have any independent tanks, i.e. tanks located the deck?	☒ No

What was the last cargo carried?	Propane
What is the next intended cargo to be carried?	Propane

Pumping and Piping Systems

What type of main cargo pumps are fitted?	Electrically Driven deep well
	m^3/hr
What is the capacity of the deep well pumps?	300
What is the manufacturer of the deep well pumps?	Example Manufacturer

Were all the pumps fully operational?	☑ Yes
What condition were the pumps in?	Good
Is the vessel fitted with a compressor room?	☑ Yes
What was the condition of the compressor room?	Good
Were the airlocks on the compressor room in good working order?	☒ No
Compressor room airlocks were not in full working order due to:	*Airtight doors fitted but no airlocks*
Were compressor room airlock audible and visual alarms in full working order?	☒ No
Compressor room airlock alarms were not fully operational due to:	*No airlocks fitted*
Do the compressor room fans maintain a positive pressure in the Compressor Room?	☒ No
Compressor room fans did not maintain a positive pressure due to:	*No airlocks fitted - normal ventilation fans fitted. Motors and compressors in the same fo'c's'le space*
Is the vessel fitted with a motor room?	☒ No
What condition was the cargo pipework in?	Good
Are deck cargo piping, manifolds and relevant deck equipment suitably marked?	☑ Yes
Are reducers and removable U-bends, if carried, in good condition?	Yes
Is the vessel fitted with a hose handling crane(s)?	☑ Yes
Is the crane in full working order?	☑ Yes

What condition was the crane(s) in?	Good

Monitoring and Safety Arrangements

Are tank level, pressure and temperature monitoring systems in full working order?	☑ Yes
Is the Cargo Control Room (CCR) in good overall condition?	☑ Yes
Are all cargo Emergency Shutdown Devices (ESD) in full working order?	☑ Yes
What condition were the Maximum Allowable Relief Valves (MARVs) in?	Good
Were the operating pressures clearly marked on the MARVs?	Yes
Is the vessel fitted with Vent Masts?	☑ Yes
What condition was the Vent Masts in?	Good
Are Vent Masts fitted with a Fixed Fire Fighting system?	☑ Yes
What condition was the Vent Masts Fixed Fire Fighting Extinguishing system in?	Good
If appropriate, are fire wires in good condition and properly rigged?	No
The fire wire was not found to be in good condition due to:	*Fire wires in good condition, fitted and made up around bitts either end, but not deployed over the side - according to terminal's instructions*
Is the vessel provided with suitable gas monitoring instruments?	☑ Yes
Are the monitoring instruments calibrated and records available?	☑ Yes — *No evidence of calibration of Gas monitoring Instruments was provided.*

Does the vessel have a loading computer?	Yes, Class approved

Is all Fixed Gas monitoring equipment in full working order? ☑ Yes

Are Float Level Gauges fitted? ☑ Yes

What condition was the Float Level Gauges in?	Good

Vetting

What was the date of the last SIRE inspection?	04-Apr-23
How many observations were raised in the last SIRE inspection?	3

Have all observations been fully resolved? ☑ Yes

What was the date of the last CDI inspection?	14-Jun-22
How many observations were raised in the last CDI inspection?	5

Have all observations been fully resolved? ☑ Yes

Is the vessel older than 15 years? ☒ No

Equipment (LPG)	Fully operational?	Condition
Vaporiser	NA	
Cargo heater	NA	
Inert Gas (IG) system	NA	
Nitrogen plant	Yes	Good
Cargo Booster	NA	
Spray Pumps	Yes	Good
Reliquification plant	NA	
Cargo Pipework insulation	NA	
Compressor	Yes	Good
Condenser	NA	