



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Inspection Type 006 - Vessel Inspection Report

Inspection Date 27 Nov 2022

Inspector Jainish Bhatnagar

From Port Lome

To Port Lome

Hours Onboard 90 H

Avg Audit Findings 55 %

No of NCRs 1

No of observation 10



Crew Interview & Attendance Record

Staff Name	Rank	Remarks
10329 - George Veliu	MST	
10540 - Giridhar Jai	3/E	Satisfactory
10421 - Gagan Deep Singh	4/E	Satisfactory
10541 - Dennis Hombria De Paz	BSN	Satisfactory
10373 - Pradeep Sahu	FTR	Satisfactory
10233 - Michael John Ferrer	C/CK	Satisfactory
10542 - Renz Marion Baloran Comilang	MSM	Satisfactory
10497 - Abdoul Aziz Gueye	WPR	Satisfactory
10186 - Amar Kumar SONKER	OLR	Satisfactory
10372 - Jeremel Intila	OLR	Satisfactory

Auditor Signature

Jainish Bhatnagar



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Negative Findings

Defect ID	Chapter	Category	Question	Answer Details	Is Critical	Status	Link
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Additional NCRs

Defect ID	NCR No	Observations	Date of Disposition	Status
283	23/2022	10.12.01 BWTS not operational. Vessel is getting getting a high TRO alarm during the de-ballasting operation. Technician visit completed at AGIO. Recommended spare parts list requisitioned from Wartsila. Spares lead time 14 weeks approx. Vessel has got a dispensation from Flag for BWTS.		Pending

Additional Observations

Defect ID	Observations	Date of Disposition	Status
284	10.08.51c : Thermal Boiler pumps No. 1 has the motor drive end cover Is cracked. New motor requisitioned. Long lead times for the Spare motor. Motor to be changed with new spare motor once recived on the vessel.		Pending
285	01.08.28 : ME LO cooler need to be cleaned at the first opportunity	02 Dec 2022	Completed
286	10.07.26 : Vessel ECDIS is having a error of ECDIS Video timeout. This alarm is flashing due to Radar Overlay missing. Service Technician attendance to be provided to solve the issue. Problem with coinciding the visit of the technician with the vessel ETA to port.		Pending
287	The Main deck cosmetic upgradation to continue.	04 Mar 2023	Completed
288	01.02.05: The exhaust stack of Funnel and top of Thermal Boiler room to be de-rusted and painted with silver high temperature resistant paint. This is a repeat observation but because the paints were not connected to the vessel, the observation has been put again in this VIR.	05 Jan 2023	Completed
289	01.02.17: Deck airline leakages to be rectified by cropping and fabricating certain portions. The sections have been identified to the vessel and need to be changed during the passage of the vessel to minimise deck air leakages.	24 Dec 2022	Completed
290	10.08.02: L.O. Pump No. 2 leaking from the seal. Leakage to be rectified after receipt of spares for same.		Pending
291	Sludge tank needs to be cleaned as Pump not taking suction due to accumulation of hard sludge. Solid sludge removed to be collected in drums and landed ashore.	07 Jan 2023	Completed
292	01.05.02: COT 3P showing erratic temperature indication in CCR. To be investigated and rectified.	05 Jan 2023	Completed
293	01.02.19 : Port Spring Winch brake drum has thinned down considerably and needs to be replaced in the next drydocking.	05 Jan 2023	Completed

Positive / Neutral Findings



Maritec Tanker Management Private Limited

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Chapter: 01.00 - Area/Item Inspected

Category: 01.01 - Part I - External Condition

Question	Answer Details	Is Critical	Link
01.01.01 - External Condition - Propeller	Grade - Yes Inspected only the part visible portion from the service boat only		
01.01.02 - External Condition - Rudder	Grade - Yes Inspected only the part visible portion from the service boat only		
01.01.03 - External Condition - Ship's name and Port of Registry	Grade - Yes		
01.01.04 - External Condition - Hull - Topside area	Grade - Yes		
01.01.05 - External Condition - Hull - Boot top area	Grade - Yes		
01.01.06 - External Condition - Draft marks	Grade - Yes		
01.01.07 - External Condition - Plimsoll mark	Grade - Yes		
01.01.08 - External Condition - Bow thruster / Bulb mark / tank marks	Grade - Yes		

Category: 01.02 - Part II - Decks

Question	Answer Details	Is Critical	Link
01.02.01 - Decks - Accommodation Ladders - Platform / Wires / Motor	Grade - Yes		
01.02.02 - Decks - Ships name - bridge wings	Grade - Yes		
01.02.03 - Decks - MOT Gangway	Grade - Yes		
01.02.04 - Decks - Railings and Bulwark	Grade - Yes		
01.02.05 - Decks - Superstructure / Funnel	Grade - Yes		
01.02.06 - Decks - Forecastle deck plating	Grade - Yes		
01.02.07 - Decks - Windlass	Grade - Yes		



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
01.02.08 - Decks - Anchor / cables - port and STBD	Grade - Yes		
01.02.09 - Decks - Mooring ropes and wires	Grade - Yes		
01.02.10 - Decks - Mooring winches on forecastle deck	Grade - Yes		
01.02.11 - Decks - Deck Light masts and fittings	Grade - Yes		
01.02.12 - Decks - Forward mast	Grade - Yes		
01.02.13 - Decks - Forward and aft Talk back system	Grade - Yes		
01.02.14 - Decks - Main deck plating	Grade - Yes		
01.02.15a - Pipelines - Ballast	Grade - Yes		
01.02.15b - Pipelines - Cargo	Grade - Yes		
01.02.15c - Pipelines - Steam/Thermal Oil	Grade - Yes		
01.02.15d - Pipelines - Fire	Grade - Yes		
01.02.15e - Pipelines - Foam	Grade - Yes		
01.02.15f - Pipelines - Hydraulic	Grade - Yes		
01.02.15g - Pipelines - Electrical conduit	Grade - No		
	Some of the Electrical conduits are in a bad condition. Need to be replaced in DD		
01.02.15h - Pipelines - Insulation	Grade - Yes		
01.02.16 - Decks - Cargo manifold and drip tray/Various Pressure & Temp. gauges	Grade - Yes		
01.02.17 - Decks - Air pipes / Sounding pipes / Filling pipes	Grade - No		
	Certain lengths of deck air pipelines on the main deck need to be renewed. To avoid any leakages on deck.		
01.02.18 - Decks - Cranes / Derricks and associated loose gear, motors and winches	Grade - Yes		



Maritec Tanker Management Private Limited

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Question	Answer Details	Is Critical	Link
01.02.19 - Decks - Mooring winches on main deck	Grade - No Port Spring Winch brakevdrum needs to be replaced in the DD		
01.02.20 - Decks - Aft deck / poop deck plating	Grade - Yes		
01.02.21 - Decks - Mooring winches on aft / poop deck	Grade - Yes		
01.02.22 - Decks - Condition of spare propeller, anchor	Grade - No		
01.02.23 - Decks - Monkey island deck plating	NA Grade - Yes		
01.02.24 - Decks - Main mast and fittings	Grade - Yes		
01.02.25a - Tugs - Towing winch	Grade - No		
01.02.25b - Tugs - Deck rollers	NA Grade - Yes		
01.02.25c - Tugs - Fenders	Grade - No The tyres on the fenders are in a bad condition. Need to be replaced in DD		
01.02.25d - Tugs - Aft control station	Grade - Yes		
01.02.26a - Tankers - Cargo tank domes	Grade - Yes		
01.02.26b - Tankers - Ballast tank openings	Grade - Yes		
01.02.26c - Tankers - Deck valves including stub pieces	Grade - Yes		
01.02.26d - Tankers - Ullage ports / vapor locks	Grade - Yes		
01.02.26e - Tankers - Level gauging systems	Grade - Yes		
01.02.26f - Tankers - PV valves / air vents / Mast risers	Grade - Yes		
01.02.26g - Tankers - Deck Seal / PV Breaker on IG line	Grade - No NA		



Maritec Tanker Management Private Limited

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Question	Answer Details	Is Critical	Link
01.02.27 - Deck Lighting and Emergency Lighting	Grade - Yes		

Category: 01.03 - Part III - Internal Hull Structure

Question	Answer Details	Is Critical	Link
01.03.01 - Internal Hull Structure - Fore peak store(s)	Grade - Yes		
01.03.02 - Internal Hull Structure - Paint room including its fixed fire extinguishing system	Grade - Yes		
01.03.03 - Internal Hull Structure - Fore peak tank	Grade - Yes		
01.03.04 - Internal Hull Structure - Chain lockers and void spaces	Grade - Yes		
01.03.05 - Internal Hull Structure - For'd hydraulic room for mooring winches	Grade - Yes		
01.03.06 - Internal Hull Structure - Cargo tank No 1 C/P/S(includes insulation)	Grade - No		
	NOT INSPECTED		
01.03.07 - Internal Hull Structure - Cargo tank No 2 C/P/S(includes insulation)	Grade - No		
	NOT INSPECTED		
01.03.08 - Internal Hull Structure - Cargo tank No 3 C/P/S(includes insulation)	Grade - No		
	NOT INSPECTED		
01.03.09 - Internal Hull Structure - Cargo tank No 4 C/P/S(includes insulation)	Grade - No		
	NOT INSPECTED		
01.03.10 - Internal Hull Structure - Cargo tank No 5 C/P/S(includes insulation)	Grade - No		
	NOT INSPECTED		
01.03.11 - Internal Hull Structure - Cargo tank No 6 C/P/S(includes insulation)	Grade - No		
	NOT INSPECTED		
01.03.12 - Internal Hull Structure - Cargo tank No 7 C/P/S(includes insulation)	Grade - No		
	NOT INSPECTED		
01.03.13 - Internal Hull Structure - Cargo tank No 8 C/P/S(includes insulation)	Grade - No		
	NOT INSPECTED		
	NA		



Maritec Tanker Management Private Limited

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Question	Answer Details	Is Critical	Link
01.03.14 - Internal Hull Structure - Cargo tank No 9 C/P/S(includes insulation)	Grade - No		
	NA		
01.03.15 - Internal Hull Structure - Water ballast topside tanks	Grade - Yes		
01.03.16 - Internal Hull Structure - Water ballast D.B. tanks	Grade - No		
01.03.17 - Internal Hull Structure - Slop tanks	Grade - No		
01.03.18 - Internal Hull Structure - Butterworth machines	Grade - No		
	NA		
01.03.19 - Internal Hull Structure - COW system	Grade - No		
	NA		
01.03.20 - Internal Hull Structure - IG system and valves	Grade - No		
	NA		
01.03.21 - Internal Hull Structure - Deep tanks outside E/R	Grade - No		
01.03.22 - Internal Hull Structure - Cofferdams outside E/R	Grade - No		
01.03.23 - Internal Hull Structure - Pipe tunnel	Grade - Yes		
01.03.24 - Internal Hull Structure - Aft peak stores	Grade - Yes		
01.03.25 - Internal Hull Structure - E/R L.O. tanks	Grade - Yes		
01.03.26 - Internal Hull Structure - E/R D.B. tanks	Grade - Yes		
01.03.27 - Internal Hull Structure - E/R bunker tanks	Grade - Yes		
01.03.28 - Internal Hull Structure - Cofferdams inside E/R	Grade - Yes		

Category: 01.04 - Part IV - Mast Houses / Midship Stores



Maritec Tanker Management Private Limited

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Question	Answer Details	Is Critical	Link
01.04.01 - Mast Houses/ Midship Stores - Internal area	Grade - Yes		
01.04.02 - Mast Houses / Midship Stores - Hydraulic motors	Grade - Yes		
01.04.03 - Mast Houses / Midship Stores - Electric panels	Grade - Yes		
01.04.04 - Mast Houses / Midship Stores - Doors	Grade - Yes		
01.04.05 - Mast Houses / Midship Stores - Top decks	Grade - Yes		
01.04.06 - Mast Houses / Midship Stores - Ladders	Grade - Yes		
01.04.07 - Mast Houses / Midship Stores - Fittings	Grade - Yes		
01.04.08 - Mast Houses / Midship Stores - House keeping	Grade - Yes		

Category: 01.05 - Part V - Cargo Pump Room



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
01.05.01 - Cargo Pump Room - Housekeeping and general condition	Grade - Yes		
01.05.02 - Cargo Pump Room - Cargo pumps / Ballast pumps/Pressure & Temp. gauges	Grade - Yes		
01.05.03 - Cargo Pump Room - Stripper pump / Cargo eductors	Grade - Yes		
01.05.04 - Cargo Pump Room - Vacuum stripping system	Grade - Yes		
01.05.05 - Cargo Pump Room - Pipe lines/Insulations	Grade - Yes		
01.05.06 - Cargo Pump Room - Bilges	Grade - Yes		
01.05.07 - Cargo Pump Room - Ventilation/Bottom Flap Operation from outside P/P Room	Grade - Yes		
01.05.08 - Cargo Pump Room - Ladders, Platforms and gratings	Grade - Yes		
01.05.09 - Cargo Pump Room - Bilge Alarm(s)	Grade - Yes		
01.05.10 - Cargo Pump Room - Butterworth heater	Grade - Yes		
01.05.11 - Cargo Pump Room - Lighting	Grade - Yes		
01.05.12 - Cargo Pump Room - Hydraulic and pneumatic valves and pipelines in p/p room	Grade - Yes		
01.05.13 - Cargo Pump Room - Gas detection system	Grade - Yes		

Category: 01.06 - Part VI - Accommodation Spaces

Question	Answer Details	Is Critical	Link
01.06.01 - Accommodation Spaces - Companionways on open decks	Grade - Yes		
01.06.02 - Accommodation Spaces - Vent flaps - natural and forced	Grade - Yes		
01.06.03 - Accommodation Spaces - Accommodation decks	Grade - Yes		
01.06.04 - Accommodation Spaces - Doors - Watertight / Weather tight	Grade - Yes		
01.06.05 - Accommodation Spaces - Deck lighting and cable fitting	Grade - Yes		
01.06.06 - Accommodation Spaces - Railings	Grade - Yes		



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
01.06.07 - Accommodation Spaces - Companionways inside accommodation	Grade - Yes		
01.06.08 - Accommodation Spaces - Alleyways	Grade - Yes		
01.06.09 - Accommodation Spaces - Lighting inside alleyways	Grade - Yes		
01.06.10 - Accommodation Spaces - Galley	Grade - Yes		
01.06.11 - Accommodation Spaces - Pantries	Grade - Yes		
01.06.12 - Accommodation Spaces - Provision rooms	Grade - Yes		
01.06.13 - Accommodation Spaces - Fridge rooms	Grade - Yes		
01.06.14 - Accommodation Spaces - Laundries and dry rooms	Grade - Yes		
01.06.15 - Accommodation Spaces - Hobby room	Grade - Yes		
01.06.16 - Accommodation Spaces - Crew Wash rooms	Grade - Yes		
01.06.17 - Accommodation Spaces - Crew change rooms	Grade - Yes		
01.06.18 - Accommodation Spaces - Crew cabins	Grade - Yes		
01.06.19 - Accommodation Spaces - Officers cabins	Grade - Yes		
01.06.20 - Accommodation Spaces - Officers Mess room	Grade - Yes		
01.06.21 - Accommodation Spaces - Officers lounge / smoke room	Grade - Yes		
01.06.22 - Accommodation Spaces - Crew mess room	Grade - Yes		
01.06.23 - Accommodation Spaces - Crew lounge / smoke room	Grade - Yes		
01.06.24 - Accommodation Spaces - Welfare equipment	Grade - Yes		
01.06.25 - Accommodation Spaces - Deck office / Cargo control room and its equipments	Grade - Yes		
01.06.26 - Accommodation Spaces - Conference room	Grade - Yes		
01.06.27 - Accommodation Spaces - Engineers office	Grade - Yes		



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
01.06.28 - Accommodation Spaces - Store rooms and lockers	Grade - Yes		
01.06.29 - Accommodation Spaces - Cable ducts			
01.06.30 - Accommodation Spaces - Garbage bins			

Category: 01.07 - Part VII - Navigation Bridge

Question	Answer Details	Is Critical	Link
01.07.01 - Navigation Bridge - General maintenance and house keeping	Grade - Yes		
01.07.02 - Navigation Bridge - Chart room	Grade - Yes		
01.07.03 - Navigation Bridge - Battery room	Grade - Yes		
01.07.04 - Navigation Bridge - Navigation light masts and fittings	Grade - Yes		
01.07.05 - Navigation Bridge - Magnetic Compass - standard / gyro and repeaters	Grade - Yes		
01.07.06 - Navigation Bridge - Auto Pilot	Grade - Yes		
01.07.07 - Navigation Bridge - Helm indicators - inside wheelhouse and on bridge wings	Grade - Yes		
01.07.08 - Navigation Bridge - Tachometers - inside wheelhouse and on bridge wings	Grade - Yes		
01.07.09 - Navigation Bridge - Deck IG manometer	Grade - Yes		
01.07.10 - Navigation Bridge - Radars and ARPA	Grade - No Vessel ECDIS is having a error of ECDIS Video timeout. This alarm is flashing due to Radar Overlay missing. Service Technician attendance to be provided to solve the issue.		
01.07.11 - Navigation Bridge - VHF	Grade - Yes		
01.07.12 - Navigation Bridge - Echo sounder	Grade - Yes		
01.07.13 - Navigation Bridge - AIS	Grade - Yes		



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
01.07.14 - Navigation Bridge - SSAS	Grade - Yes		
01.07.15 - Navigation Bridge - BNWAS	Grade - Yes		
01.07.16 - Navigation Bridge - Voyage data recorder	Grade - Yes		
01.07.17 - Navigation Bridge - Speed log	Grade - Yes		
01.07.18 - Navigation Bridge - GPS / Satellite Navigator	Grade - Yes		
01.07.19 - Navigation Bridge - Chronometer	Grade - Yes		
01.07.20 - Navigation Bridge - Barometer	Grade - Yes		
01.07.21 - Navigation Bridge - Sextants	Grade - Yes		
01.07.22 - Navigation Bridge - Binoculars	Grade - Yes		
01.07.23 - Navigation Bridge - Aldis lamp	Grade - Yes		
01.07.24 - Navigation Bridge - Flags	Grade - Yes		
01.07.25 - Navigation Bridge - Charts and status of correction	Grade - Yes		
01.07.26 - Navigation Bridge - ECDIS	Grade - Yes		
01.07.27 - Navigation Bridge - Nautical Publications	Grade - Yes		
01.07.28 - Navigation Bridge - Notices to Mariners	Grade - Yes		
01.07.29 - Navigation Bridge - Technical Library	Grade - Yes		
01.07.30 - Navigation Bridge - Radio room	Grade - Yes		
01.07.31 - Navigation Bridge - Main transmitter / Main Receiver	Grade - Yes		
01.07.32 - Navigation Bridge - Emergency transmitter / Emergency Receiver	Grade - Yes		
01.07.33 - Navigation Bridge - GMDSS Walkie Talkies	Grade - Yes		
01.07.34 - Navigation Bridge - GMDSS VHF DSC (Operation)	Grade - Yes		



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
01.07.35 - Navigation Bridge - GMDSS batteries	Grade - Yes		
01.07.36 - Navigation Bridge - Satcom / GMDSS terminal	Grade - Yes		
01.07.37 - Navigation Bridge - Computer / UPS / Stabilizer	Grade - Yes		
01.07.38 - Navigation Bridge - Hospital alarm	Grade - Yes		

Category: 01.08 - Part VIII - Engine Room

Question	Answer Details	Is Critical	Link
10.08.01 - Engine Room - Housekeeping and general maintenance	Grade - Yes		
10.08.02a - Engine Room - Main engine - Turbo charger	Grade - Yes		
10.08.02b - Engine Room - Main engine - Control stand	Grade - Yes		
10.08.02c - Engine Room - Main engine - Thrust block	Grade - Yes		
10.08.02d - Engine Room - Main engine - Shaft bearings	Grade - Yes		
10.08.02e - Engine Room - Main engine - Shaft tunnel			
10.08.02f - Engine Room - Main engine - Turning gear system	Grade - Yes		
10.08.02g - Engine Room - Main engine - Crankcase doors	Grade - Yes		
10.08.02h - Engine Room - Main engine - Under Piston area	Grade - Yes		
10.08.02i - Engine Room - Main engine - Scavenge space	Grade - Yes		
10.08.02j - Engine Room - Main engine - Exhaust manifold	Grade - Yes		
10.08.02k - Engine Room - Main engine - Fuel oil booster pump	Grade - Yes		
10.08.02l - Engine Room - Main engine - Fuel oil heating system	Grade - Yes		
10.08.02m - Engine Room - Main engine - L.O.pumps	Grade - No		
	reported leaking from seal. to be renewed on receipt of s[pare].		



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
10.08.02n - Engine Room - Main engine - Alarms and Trips	Grade - Yes		
10.08.02o - Engine Room - Main engine - Air cooler manometers	Grade - Yes		
10.08.02p - Engine Room - Main engine - Uptake manometers	Grade - Yes		
10.08.02q - Engine Room - Main engine - Sheathing on HP fuel pipes	Grade - Yes		
10.08.02r - Engine Room - Main engine - Spark arrestors on exh. uptakes	Grade - Yes		
10.08.02s - Engine Room - Main engine - Exh. boiler gas passage drains clear	Grade - Yes		
10.08.02t - Engine Room - Main engine - T/C gas passage drains clear	Grade - Yes		
10.08.03 - Engine Room - Main S.W pumps	Grade - Yes		
10.08.04 - Engine Room - Cooling F.W pumps	Grade - Yes		
10.08.05 - Engine Room - Fire pump	Grade - Yes		
10.08.06 - Engine Room - Bilge pump	Grade - Yes		
10.08.07 - Engine Room - General Service pump	Grade - Yes		
10.08.08 - Engine Room - Ballast pump	Grade - Yes		
10.08.09 - Engine Room - Bilge & floor plates (safety aspects and cleanliness)	Grade - Yes		
10.08.10 - Engine Room - Fuel oil transfer pump	Grade - Yes		
10.08.11 - Engine Room - L.O transfer pump	Grade - Yes		
10.08.12 - Engine Room - Sludge pump	Grade - Yes		
10.08.13 - Engine Room - Domestic F.W pump	Grade - Yes		
10.08.14 - Engine Room - Sanitary water pump	Grade - Yes		
10.08.15 - Engine Room - Fridge cooling pump	Grade - Yes		
10.08.16 - Engine Room - A/C S.W pump	Grade - Yes		



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
10.08.17 - Engine Room - Harbor service pump	Grade - Yes		
10.08.18 - Engine Room - All S.W. valves	Grade - Yes		
10.08.19 - Engine Room - Tank top	Grade - Yes		
10.08.20 - Engine Room - Piping - general and in bilge areas	Grade - Yes		
10.08.21 - Engine Room - H.O Purifier	Grade - Yes		
10.08.22 - Engine Room - D.O Purifier	Grade - Yes		
10.08.23 - Engine Room - L.O Purifier	Grade - Yes		
10.08.24 - Engine Room - Main air compressor	Grade - Yes		
10.08.25 - Engine Room - Top up compressor	Grade - Yes		
10.08.26 - Engine Room - Emergency air compressor	Grade - Yes		
10.08.27 - Engine Room - Air bottles, Control air dryers	Grade - Yes		
10.08.28 - Engine Room - M/E coolers	Grade - No		
10.08.29 - Engine Room - A/E coolers	To be cleaned Grade - Yes		
10.08.30 - Engine Room - Fuel heater & Lagging on hot fuel pipes	Grade - Yes		
10.08.31 - Engine Room - Metal sheathing on H.P fuel pipes	Grade - Yes		
10.08.32 - Engine Room - Viscometers	Grade - Yes		
10.08.33 - Engine Room - Hydrophore tanks	Grade - Yes		
10.08.34a - Engine Room - Aux. Engines - General condition and maintenance	Grade - Yes		
10.08.34b - Engine Room - Aux. Engines - Turbo charger	Grade - Yes		
10.08.34c - Engine Room - Aux. Engines - Alarms and trips	Grade - Yes		



Maritec Tanker Management Private Limited

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Question	Answer Details	Is Critical	Link
10.08.34d - Engine Room - Aux. Engines - Crankcase doors	Grade - Yes		
10.08.34e - Engine Room - Aux. Engines - Pressure and Temperature gauges	Grade - Yes		
10.08.34f - Engine Room - Aux. Engines - Nozzle cooling pump	Grade - No		
10.08.34g - Engine Room - Aux. Engines - Attached F.W. pump	Grade - Yes		
10.08.34h - Engine Room - Aux. Engines - Nozzle cooling pump	Grade - No		
10.08.34i - Engine Room - Aux. Engines - Governor	Grade - Yes		
10.08.34j - Engine Room - Aux. Engines - Exh. pipe lagging / metal sheathing	Grade - Yes		
10.08.34k - Engine Room - Aux. Engines - F.W. / L.O. Coolers	Grade - Yes		
10.08.34l - Engine Room - Aux. Engines - Floor plates under A/Es clean & oil free?	Grade - Yes		
10.08.34m - Engine Room - Aux. Engines - m. Deck-head & pipes / cables above A/Es clean and oil free?	Grade - Yes		
10.08.34n - Engine Room - Aux. Engines - n. Auto temperature controllers L.O. / F.W. temp	Grade - Yes		
10.08.35 - Engine Room - Alternators	Grade - Yes		
10.08.36 - Engine Room - Motors / starters	Grade - Yes		
10.08.37 - Engine Room - Main switchboard	Grade - Yes		
10.08.38 - Engine Room - Emergency switchboard	Grade - Yes		
10.08.39 - Engine Room - Cable trays	Grade - Yes		
10.08.40 - Engine Room - Emergency Generator / Batteries	Grade - Yes		
10.08.41 - Engine Room - Fridge compressor	Grade - Yes		
10.08.42 - Engine Room - Condensers / coolers	Grade - Yes		
10.08.43 - Engine Room - Thermostatic valves	Grade - Yes		
10.08.44 - Engine Room - Coils / fans	Grade - Yes		



Maritec Tanker Management Private Limited

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Question	Answer Details	Is Critical	Link
10.08.45 - Engine Room - E/R blowers	Grade - Yes		
10.08.46 - Engine Room - Engine Control Room	Grade - Yes		
10.08.47 - Engine Room - F.W generator	Grade - Yes		
10.08.48 - Engine Room - Oily water separator	Grade - Yes		
10.08.49 - Engine Room - Sewage Plant	Grade - Yes		
10.08.50 - Engine Room - Incinerator	Grade - Yes		
10.08.51a - Engine Room - Boilers (steam and thermal oil) - Condition and general maintenance	Grade - Yes		
10.08.51b - Engine Room - Boilers (steam and thermal oil) - Feed water pumps	Grade - Yes		
10.08.51c - Engine Room - Boilers (steam and thermal oil) - Circulation pump	Grade - Yes		
10.08.51d - Engine Room - Boilers (steam and thermal oil) - Safety valve	Grade - Yes		
10.08.51e - Engine Room - Boilers (steam and thermal oil) - Gauge glass	Grade - Yes		
10.08.51f - Engine Room - Boilers (steam and thermal oil) - Automatic Combustion. C	Grade - Yes		
10.08.51g - Engine Room - Boilers (steam and thermal oil) - F.D. fan	Grade - Yes		
10.08.51h - Engine Room - Boilers (steam and thermal oil) - Boiler uptake lagging	Grade - Yes		
10.08.51i - Engine Room - Boilers (steam and thermal oil) - All temperature and pressure gauges	Grade - Yes		
10.08.51j - Engine Room - Boilers (steam and thermal oil) - F.O. pump	Grade - Yes		
10.08.51k - Engine Room - Boilers (steam and thermal oil) - F.O. heater	Grade - Yes		
10.08.51l - Engine Room - Boilers (steam and thermal oil) - Lagging on hot fuel oil and Heating steam pipes	Grade - Yes		
10.08.51m - Engine Room - Boilers (steam and thermal oil) - Steam dump valve and other steam valves	Grade - Yes		
10.08.51n - Engine Room - Boilers (steam and thermal oil) - Warning notices and operating instructions	Grade - Yes		
10.08.52a - Engine Room - IG system - IG generator			



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
10.08.52b - Engine Room - IG system - IG control panel and control system			
10.08.52c - Engine Room - IG system - Pneumatic system			
10.08.52d - Engine Room - IG system - IG blower			
10.08.52e - Engine Room - IG system - Scrubber unit			
10.08.52f - Engine Room - IG system - Oxygen analyzer			
10.08.53 - Engine Room - Soot blower	Grade - Yes		
10.08.54 - Engine Room - Exhaust boiler	Grade - Yes		
10.08.55a - Engine Room - COP turbines - Condition and general maintenance	Grade - Yes		
10.08.55b - Engine Room - COP turbines - Alarms and trips	Grade - Yes		
10.08.55c - Engine Room - COP turbines - governor	Grade - Yes		
10.08.55d - Engine Room - COP turbines - L.O. pump	Grade - No		
	NA		
10.08.55e - Engine Room - COP turbines - L.O. cooler	Grade - No		
	NA		
10.08.55f - Engine Room - COP turbines - Control panel	Grade - Yes		
10.08.55g - Engine Room - COP turbines - Tachometer	Grade - Yes		
10.08.55h - Engine Room - COP turbines - Local temp and pressure gauges	Grade - Yes		
10.08.56 - Engine Room - Vacuum condenser			
10.08.57 - Engine Room - Condenser S.W. pump			
10.08.58 - Engine Room - Hot well	Grade - Yes		
10.08.59 - Engine Room - CO2 room	Grade - Yes		
10.08.60 - Engine Room - Quick closing valves	Grade - Yes		
10.08.61 - Engine Room - Remote switches and cut-offs	Grade - Yes		



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
10.08.62 - Engine Room - Sky light	Grade - Yes		
10.08.63 - Engine Room - Blower flaps	Grade - Yes		
10.08.64 - Engine Room - Steering flat	Grade - Yes		
10.08.65 - Engine Room - Storage of chemicals	Grade - Yes		
10.08.66 - Engine Room - Workshop	Grade - Yes		
10.08.67 - Engine Room - E/R crane	Grade - Yes		
10.08.68 - Engine Room - Stores	Grade - Yes		
10.08.69 - Engine Room - Spares	Grade - Yes		
10.08.70 - Engine Room - Tools / instruments	Grade - Yes		
10.08.71 - Engine Room - LO and water treatment test kits	Grade - Yes		

Category: 01.09 - Part IX - Record Keeping

Question	Answer Details	Is Critical	Link
10.09.01 - Record Keeping - Deck Log Book	Grade - Yes		
10.09.02 - Record Keeping - Official Log Book	Grade - Yes		
10.09.03 - Record Keeping - Night Order Book	Grade - Yes		
10.09.04 - Record Keeping - Movement (Bell) Book	Grade - Yes		
10.09.05 - Record Keeping - Sounding Book	Grade - Yes		
10.09.06 - Record Keeping - Compass error Book	Grade - Yes		
10.09.07 - Record Keeping - Chronometer Log	Grade - Yes		
10.09.08 - Record Keeping - Radio Log	Grade - Yes		
10.09.09 - Record Keeping - Radar Log	Grade - Yes		



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
10.09.10 - Record Keeping - Chart correction folio	Grade - Yes		
10.09.11 - Record Keeping - Garbage Log	Grade - Yes		
10.09.12 - Record Keeping - Videotel / Training Log	Grade - Yes		
10.09.13 - Record Keeping - Calibration Log	Grade - Yes		
10.09.14 - Record Keeping - Stores inventory (deck and saloon)	Grade - Yes		
10.09.15 - Record Keeping - Spare Part Inventory (Deck)	Grade - Yes		
10.09.16 - Record Keeping - Planned Maintenance Records(Deck, Radio, Safety Equipment)	Grade - Yes		
10.09.17 - Record Keeping - Masters Filing System	Grade - Yes		
10.09.18 - Record Keeping - Chief Engineers Filing System	Grade - Yes		
10.09.19 - Record Keeping - E/R Log Book	Grade - Yes		
10.09.20 - Record Keeping - Oil Record Book	Grade - Yes		
10.09.21 - Record Keeping - E/R tank sounding book	Grade - Yes		
10.09.22 - Record Keeping - Survey records / Quarterly listing	Grade - Yes		
10.09.23 - Record Keeping - Spare Part Inventory (E/R)	Grade - Yes		
10.09.24 - Record Keeping - Planned Maintenance Records (Main, Aux. and Electrical machinery)	Grade - Yes		
10.09.25 - Record Keeping - Ships drawings and manuals	Grade - Yes		
10.09.26 - Record Keeping - Ship Security Records			

Category: 01.10 - Part X - Certificates And Approvals



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
10.10.01 - Certificates and Approvals - Statutory certificates as per Form D-13	Grade - Yes		
10.10.02 - Certificates and Approvals - Type approval Certificates for L/Jackets, L/Buoys, Pyrotechnics, Navigation Lights, Sound Signal equipment, shapes, fireman's outfits, fire detection system, alarms, ODME, ODMCS, Sewage plant	Grade - Yes		
10.10.03 - Certificates and Approvals - Wires and Ropes Test Certificates	Grade - Yes		
10.10.04 - Certificates and Approvals - Chain Register	Grade - Yes		
10.10.05 - Certificates and Approvals - Life raft Certificate	Grade - Yes		
10.10.06 - Certificates and Approvals - Administration approved LSA, LSS and FFA plans	Grade - Yes		

Category: 01.11 - Part XI - Safety Equipment And Alarms

Question	Answer Details	Is Critical	Link
10.11.01 - Safety Equipment and Alarms - General Alarm	Grade - Yes		
10.11.02 - Safety Equipment and Alarms - Fire detection system (Accommodation/E.R/Cargo holds)	Grade - Yes		
10.11.03 - Safety Equipment and Alarms - Hospital Bell	Grade - Yes		
10.11.04 - Safety Equipment and Alarms - Medical locker / equipment	Grade - Yes		
10.11.05 - Safety Equipment and Alarms - Fridge room alarm	Grade - Yes		
10.11.06 - Safety Equipment and Alarms - E/R Bilge High level alarms	Grade - Yes		
10.11.07 - Safety Equipment and Alarms - CO2 / Halon release alarm	Grade - Yes		
10.11.08 - Safety Equipment and Alarms - Vent fans flaps / funnel flaps / Remote closing flaps	Grade - Yes		
10.11.09 - Safety Equipment and Alarms - Fixed foam system	Grade - Yes		
10.11.10 - Safety Equipment and Alarms - Portable foam system	Grade - Yes		
10.11.11 - Safety Equipment and Alarms - Steam smothering			
10.11.12 - Safety Equipment and Alarms - Inert gas system			
10.11.13 - Safety Equipment and Alarms - Sprinkler system	Grade - Yes		



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
10.11.14 - Safety Equipment and Alarms - Fire mains / hydrants	Grade - Yes		
10.11.15 - Safety Equipment and Alarms - Hoses / nozzles	Grade - Yes		
10.11.16 - Safety Equipment and Alarms - Pollution Locker and equipments	Grade - Yes		
10.11.17 - Safety Equipment and Alarms - Emergency fire pump	Grade - Yes		
10.11.18 - Safety Equipment and Alarms - Emergency generator	Grade - Yes		
10.11.19 - Safety Equipment and Alarms - Emergency lights	Grade - Yes		
10.11.20 - Safety Equipment and Alarms - Life boat operation	Grade - Yes		
10.11.21 - Safety Equipment and Alarms - Life boat equipment	Grade - Yes		
10.11.22 - Safety Equipment and Alarms - Life boat engines	Grade - Yes		
10.11.23 - Safety Equipment and Alarms - Extinguishers - Foam, Water, DCP, CO2	Grade - Yes		
10.11.24 - Safety Equipment and Alarms - Tankscope, Explosimeter, O2 analyzer and Toxic gas detector	Grade - Yes		
10.11.25 - Safety Equipment and Alarms - Breathalyzer	Grade - Yes		
10.11.26 - Safety Equipment and Alarms - CABA, Resuscitation equipment	Grade - Yes		
10.11.27 - Safety Equipment and Alarms - Fireman's outfit with accessories	Grade - Yes		
10.11.28 - Safety Equipment and Alarms - Emergency Towing System	Grade - Yes		

Category: 01.12 - Part XII - Environmental



Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Question	Answer Details	Is Critical	Link
10.12.01 - Environmental - Ballast water management	Grade - No Vessel having flag dispensation for the BWTS. Technician visit from Wartsila completed. Recommended spare parts list requisitioned. 14 week lead time for the spares from Wartsila.		
10.12.02 - Environmental - Garbage management	Grade - Yes		
10.12.03 - Environmental - Ship Energy efficiency plan	Grade - Yes		
10.12.04 - Environmental - Safety Meeting conducted with entire crew by Superintendent	Grade - Yes		

Category: 01.13 - Part XIII - Security

Question	Answer Details	Is Critical	Link
10.13.01 - Security - Ship Security Records			
10.13.02 - Security - Security Equipments	Grade - Yes		
10.13.03 - Security - Security Communications and SSAS			
10.13.04 - Security - Vessel Hardening			
10.13.05 - Security - Security Charts, Publications and Guidance			
10.13.06 - Security - Cyber Security incl. Access to IT/OT Terminals, Workstation Security etc.			
10.13.07 - Security - Cyber Response Plan			
10.13.08 - Security - Personal Devices usage			

Category: 01.14 - Comments of the Superintendent Conducting Inspection

Question	Answer Details	Is Critical	Link
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Category: 01.15 - Random interviews

Question	Answer Details	Is Critical	Link
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Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Category: 01.16 - Meeting / Seminars held

Question

Answer Details

Is Critical

Link

Category: 01.17 - Near Miss(es) identified

Question

Answer Details

Is Critical

Link

Category: 01.18 - Training needs identified and addressed

Question

Answer Details

Is Critical

Link

Category: 01.19 - Proposals for the effective implementation/improvement of the SMS

Question

Answer Details

Is Critical

Link

Category: 01.20 - Commercial performance of the vessel

Question

Answer Details

Is Critical

Link

Category: 01.21 - Load sharing capacity of Aux Engine

Question

Answer Details

Is Critical

Link