Part C

Survey Questionnaire

Gas Tanker

Ship name:	
IMO No:	
Date survey completed:	
Survey port:	
Surveyor's name:	
Survey company:	
Surveyor's ref. number:	
Order club:	
Club ref. no.:	

5. Survey Questionnaire - Gas Tanker

5.1 Cargo tanks and systems

		Y	N	NA	NI	Remarks
5.1.1	Are cargo tanks suitable for the carriage of nominated cargoes (particularly with reference to types of cargoes and required temperatures / pressures)?	◯	◯	◯	◯	
5.1.2	Are cargo tank coatings in apparent satisfactory condition and free from defects which could impair cargoworthiness?	◯	◯	◯	◯	
5.1.3	Is the overall steel structure in cargo tanks apparently free from significant corrosion, pitting, scaling, buckling, dents, fractures, wastage, doublers, etc?	◯	◯	◯	◯	
5.1.4	Is plating under suction bell mouths in apparent satisfactory condition?	◯	◯	◯	◯	
5.1.5	Are cargo pumps, ballast pumps and stripping arrangements apparently operational including associated monitoring, alarms, instrumentation and controls?	◯	◯	◯	◯	
5.1.6	Are cargo pump emergency stops properly located and regularly tested?	◯	◯	◯	◯	
5.1.7	Are emergency shutdown activation points properly located and regularly tested?	◯	◯	◯	◯	
5.1.8	Are cargo and vapour lines clearly marked and are all lines lagged effectively?	◯	◯	◯	◯	
5.1.9	Are reducers, removable U-bends and cargo hoses, if carried, in apparent satisfactory condition?	◯	◯	◯	◯	

		Y	N	NA	NI	Remarks
5.1.10	Are hoses pressure tested, certificated and in apparent satisfactory condition?	◯	◯	◯	◯	
5.1.11	Are hoses regularly tested for continuity?	◯	◯	◯	◯	
5.1.12	Are spill trays and savealls in apparent satisfactory condition?	◯	◯	◯	◯	
5.1.13	If fitted, is the overside water spray curtain effective?	◯	◯	◯	◯	
5.1.14	Is the ship provided with portable instruments as required, is span gas available and are records of recent calibration kept?	◯	◯	◯	◯	
5.1.15	Is the fixed and portable electrical equipment used suitable for use in hazardous areas?	◯	◯	◯	◯	
5.1.16	Are superstructure and deckhouse doors, windows, air inlet flaps, etc. facing the cargo area in apparent satisfactory condition?	◯	◯	◯	◯	
5.1.17	Is the compressor house / motor room / re-liquifaction plant space clean and tidy and are bilges free from cargo?	◯	◯	◯	◯	
5.1.18	Are bulkhead seals between compressor house and motor room gas tight and well lubricated?	◯	◯	◯	◯	
5.1.19	Are compressor house / motor room / re-liquifaction plant space fans operational?	◯	◯	◯	◯	
5.1.20	Is the motor room ventilation maintaining positive pressure?	◯	◯	◯	◯	

		Y	N	NA	NI	Remarks
5.1.21	Is the compressor room ventilation maintaining negative pressure?	◯	◯	◯	◯	
5.1.22	Is compressor house / motor room / re-liquifaction plant space floor plating satisfactory?	◯	◯	◯	◯	
5.1.23	Are safe compressor house / motor room / re-liquifaction plant space procedures identified and complied with?	◯	◯	◯	◯	
5.1.24	Is the cargo heating system apparently fully operational and well maintained?	◯	◯	◯	◯	
5.1.25	Is the tank insulation (as viewed from void spaces) in apparent satisfactory condition? Confirm no visible cold spots as seen from void space?	◯	◯	◯	◯	
5.1.26	Is the cargo re-liquefaction plant and associated machinery in apparent satisfactory condition?	◯	◯	◯	◯	
5.1.27	If appropriate, are fire wires in apparent satisfactory condition and properly rigged?	◯	◯	◯	◯	
5.1.28	Has the ship been inspected by OCIMF-Sire and / or CDI recently?	◯	◯	◯	◯	

Additional information

5.2 Inert Gas System

		Y	N	NA	NI	Remarks
5.2.1	Is the IGS, including instrumentation, alarms, trips, and pressure / oxygen recorders, apparently fully operational and with calibration records maintained?	◯	◯	◯	◯	

		Y	N	NA	NI	Remarks
5.2.2	If fitted, is the nitrogen generator system apparently operating satisfactorily?	◯	◯	◯	◯	
5.2.3	Are the inter barrier space temperatures and pressure monitored and recorded?	◯	◯	◯	◯	
5.2.4	Are fans, scrubber, deck seals, p/v breakers and non-return valve in apparent satisfactory condition?	◯	◯	◯	◯	

Additional information

5.3 Closing appliances

		Y	N	NA	NI	Remarks
5.3.1	Are closing devices, associated gaskets and securing arrangements on the freeboard deck in apparent satisfactory condition?	◯	◯	◯	◯	
5.3.2	Are tank domes, hatches, gaskets and securing devices in apparent satisfactory condition?	◯	◯	◯	◯	
5.3.3	Are the cargo tank venting arrangements in apparent satisfactory condition?	◯	◯	◯	◯	
5.3.4	Are the cargo tank, void spaces and inter barrier spaces (where fitted) relief valves set correctly and in apparent satisfactory condition?	◯	◯	◯	◯	
5.3.5	Are air locks between gas dangerous spaces and gas safe spaces, if fitted, in an operational state and in apparent satisfactory condition?	◯	◯	◯	◯	

Additional information

5.4 Cargo Control

		Y	N	NA	NI	Remarks
5.4.1	Are primary and secondary cargo monitoring indicators, controls and panels in apparent satisfactory condition?	◯	◯	◯	◯	
5.4.2	Are detailed cargo handling and tank cleaning plans prepared and are operations carried out and logged in accordance with the agreed plan?	◯	◯	◯	◯	
5.4.3	Is the tank gauging system operational?	◯	◯	◯	◯	
5.4.4	Is the means for emergency discharge inspected and results recorded?	◯	◯	◯	◯	
5.4.5	Are gas detection systems and bilge alarms operational, regularly tested and with results recorded?	◯	◯	◯	◯	
5.4.6	If fixed gas detection and monitoring system is not fitted, are routines in place for regular monitoring with portable instruments?	◯	◯	◯	◯	
5.4.7	Are safety guidelines regarding static hazards in place and strictly adhered to?	◯	◯	◯	◯	
5.4.8	Is appropriate cargo specific information including Material Safety Data Sheets available on board?	◯	◯	◯	◯	

Additional information

5.5 Safety and Operational test (were the following tests carried out and found satisfactory?)

		Y	N	NA	NI	Remarks
5.5.1	Engine room bilge high level alarms.	◯	◯	◯	◯	
5.5.2	Emergency fire pump with two fire hoses on separate hydrants.	◯	◯	◯	◯	
5.5.3	Emergency power sources and emergency lighting.	◯	◯	◯	◯	
5.5.4	Engine room remote stops and shutdowns.	◯	◯	◯	◯	
5.5.5	Relevant cargo high level alarms.	◯	◯	◯	◯	
5.5.6	Decontamination showers and eye baths on deck (operational under all ambient weather conditions?)	◯	◯	◯	◯	
5.5.7	Emergency shut down system, including trips and valve timings.	◯	◯	◯	◯	
5.5.8	Deck spray system.	◯	◯	◯	◯	

Additional information