Part C

Survey Questionnaire

Barges - Liquid Cargo

Barge Name

IMO No:

Date survey completed:

Survey Port:

Surveyor:

Surveying company:

Surveyor's Ref. number:

Order club:

Club ref: No:

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5. Survey Questionnaire - Liquid Cargo Barges

5.1   Cargo tanks and systems

		Y	N	NA	NI	Remarks
5.1.1	Are cargo tanks suitable for the carriage of nominated cargoes? Is tank coating in apparent satisfactory condition?	○	○	○	○	
5.1.2	Is the structure in cargo tanks apparently free from significant corrosion, pitting, scaling, buckling, dents, fractures, wastage, doublers, temporary repairs etc?	○	○	○	○	
5.1.3	Is the plating under suction bell mouths in apparent satisfactory condition?	○	○	○	○	
5.1.4	Are cargo pumps and stripping arrangements fully operational including associated monitoring, alarms instrumentation and controls?	○	○	○	○	
5.1.5	Are cargo pump emergency stops properly located and regularly tested?	○	○	○	○	
5.1.6	Is the condition of pipe-work within or passing through in apparent satisfactory condition?	○	○	○	○	
5.1.7	Are deck cargo piping, manifolds and relevant deck equipment suitably marked and in apparent satisfactory condition?	○	○	○	○	
5.1.8	Are reducers, removable U-bends and cargo hoses in apparent satisfactory condition?	○	○	○	○	
5.1.9	Are spill trays and savealls in apparent satisfactory condition and free from cargo?	○	○	○	○	
5.1.10	Is portable testing equipment provided as required and are records kept of recent calibration?	○	○	○	○	

	Y	N	NA	NI	Remarks

5.1.11 Are all electrical appliances suitable for use in hazardous areas? ○ ○ ○ ○

5.1.12 Are pumps and shaft bearings in apparent satisfactory condition and free from leaks? ○ ○ ○ ○

5.1.13 Is pump control area clean, tidy and free from cargo? ○ ○ ○ ○

5.1.14 Is pump control area suitably ventilated? ○ ○ ○ ○

5.1.15 Is the cargo heating system operational and well maintained? ○ ○ ○ ○

5.1.16 Are manifolds fitted with drain lines and purge points and are they valved and capped? ○ ○ ○ ○

5.1.17 Has a SIRE and / or CDI vetting inspection been carried out recently? ○ ○ ○ ○

5.1.18 Are P.V. valves and / or vapour return lines fitted, operational and in apparent satisfactory condition? ○ ○ ○ ○

5.1.19 If fitted, is inerting system fully operational and in apparent satisfactory condition with records maintained? ○ ○ ○ ○

5.1.20 Have all pipelines, cargo hoses, reducers and couplings been pressure tested recently and marked with date? ○ ○ ○ ○

Additional information

5.2   Tank cleaning system

		Y	N	NA	NI	Remarks

5.2.1   Is the tank cleaning system in apparent satisfactory condition and fully operational?   ○   ○   ○   ○

5.2.2   Are suitable procedures and plans provided and followed for tank cleaning?   ○   ○   ○   ○

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 vapour locks fitted, calibrated and operational?   ○   ○   ○   ○

5.3.3   Are air locks, if applicable, operational and in apparent satisfactory condition?   ○   ○   ○   ○

Additional information

5.4   Cargo control

		Y	N	NA	NI	Remarks
5.4.1	Are cargo monitoring indicators, controls and panels in apparent satisfactory condition?	○	○	○	○	
5.4.2	Are records kept of cargo operations?	○	○	○	○	
5.4.3	Is the tank gauging system operational?	○	○	○	○	
5.4.4	Are procedures in place for regular gas detection and monitoring?	○	○	○	○	
5.4.5	Are safety guidelines regarding static hazards in place and strictly adhered to?	○	○	○	○	
5.4.6	Is oil discharge monitoring equipment fitted and apparently operational?	○	○	○	○	
5.4.7	Are suitable arrangements in place for cargo sampling?	○	○	○	○	
5.4.8	Is suitable cargo information available?	○	○	○	○	
5.4.9	Are plans / procedures in place for loading and discharging of cargo?	○	○	○	○	
5.4.10	Are there procedures in place for barge / shore information exchange including emergency shutdown procedures?	○	○	○	○	

Additional information

5.5 Safety and operational tests

		Y	N	NA	NI	Remarks

Were the following trests carried out and found satisfactory?

		Y	N	NA	NI
5.5.1	Relevant cargo high level alarms	○	○	○	○
5.5.2	Remote cargo pump stops and shutdowns	○	○	○	○
5.5.3	Decontamination showers and eye baths on deck (operational under all ambient weather conditions?)	○	○	○	○

Additional information