INTERNATIONAL MARINE CERTIFICATION INSTITUTE

Rue Abbé Cuypers 3, B-1040 Brussels, Belgium; tel: +32 2 741 6836; fax: +32 2 741 2418; email: info@imci.org; web: www.imci.org

SYSTEM INSTALLATION CHECKLIST
SMALL CRAFT - PERMANENTLY INSTALLED PETROL AND DIESEL FUEL TANKS
Ref.: ISO 21487:2012/A1:2014/A2:2015

FOR **INTERNAL** USE ONLY
Report No.:

Manufacturer:	
Signatory, Name:	
Signatory, Title:	
Phone:	
Fax:	
Email:	
Boat Model Name:	
Boat Model Year:	

	Subject to check	Clause	Requirements	Checked ?
1	Fuel type	3.1/3.2	[Petrol / Diesel]	
2	All seals such as gaskets, o-rings and joint-ringsshall be of non-wicking, i.e. non-fuel absorbent, material.	4.1.1	[Yes / NA ?]	
3	All materials are resistant to deterioration by the fuel and to other liquids (e.g. grease, lubricating oil, bilge solvents and sea water).	4.1.2	[Yes ?]	
4	Copper-based alloys for fittings are acceptable for direct coupling with all tank materials specified in Table 1, except aluminium.	4.2	[Yes / NA ?]	
5	Copper-based alloy fittings are used for aluminium tanks only if a galvanic barrier is arranged between fitting and tank.	4.2	[Yes / NA ?]	
6	Provisions are made for determination of fuel level or quantity.	4.3.1	[Yes ?]	
7	Metal tanks shall be designed/installed that no exterior surface will trap water.	4.3.2	[Yes / NA ?]	
8	Rigid fuel suction tubes and fill pipes which extend to the tank bottom have sufficient clearance to prevent contact with the bottom during normal operation.	4.3.3	[Yes / NA ?]	
9	Non-integral tank supports, chocks or hangers shall be seperated from the surface of metal tanks by a non-abrasive material, or welded to the tank.	4.3.4	[Yes / NA ?]	
10	If baffles are provided, the open area of the baffle is not greater than 30% of the tank cross-section in the plane of the baffle.	4.3.5	[Yes / NA ?]	
11	Baffle openings do not prevent fuel flow accross the bottom or trap vapour.	4.3.6	[Yes / NA ?]	
12	The fuel fill pipe has a minimum diameter of 28,5 mm.	4.3.7	[Yes ?]	
13	The ventilation pipes have a minium inside diameter of 11 mm (95 mm²) or a ventilation opening preventing tank pressure exceeding 80% of the marked.	4.3.8	[Yes ?]	
14	The tank material and thicknesses comply with the requirements of Table 1.	4.3.9	[Yes ?]	
15	Diesel tank equipped with inspection hatch(es), at least 120 mm diameter.	4.3.10	[Yes / NA ?]	
16	Non-integral tank installed to introduce loads into the structure.	4.4.1	[Yes / NA ?]	
17	Other installation requirements according to ISO 10088 are met	4.4.2	[Yes / NA ?]	
18	If petrol tank, not integral with hull.	5.1.1	[Yes / NA ?]	
19	If petrol tank, all fittings and openings on top. Metallic fill and ventilation pipes may be connected to the sides or ends if welded to the tank and reach above the tank top.	5.1.2	[Yes / NA ?]	
20	If petrol tank, no tank drains are permitted.	5.1.3	[Yes / NA ?]	
21	If petrol tank, the pressure-impulse test requirements in 7.3 are met.	5.2.2	[Yes / NA ?]	
22	Alternatively, a metallic petrol tank may be tested in accordance to 7.2 with enhanced pressure but fulfills requirements for plating thickness, construction and welding.	5.2.2	[Yes / NA ?]	
23	If a non-metallic petrol tank, the fire test requirements in 7.4 and/or 7.5 are met.	5.2.3	[Yes / NA ?]	

Manufacturer:

Boat Model Name:

Boat Model Year:

	Subject to check	Clause	Requirements	Checked ?
24	Diesel tanks may be integral with the hull.	6.1.1	[Yes / NA ?]	
25	If integral and cored hull, the core does not deteriorate from exposure.	6.1.1	[Yes / NA ?]	
26	Diesel integral fuel tanks are in accordance with ISO 12215-5	6.1.3	[Yes / NA ?]	
27	If diesel tank has a bottom, side orf end fitting it has a shut-off valve directly coupled. The valve is protected or diameter is at least 25 mm.	6.1.3	[Yes / NA ?]	
28	If drain is fitted at diesel tank, it is protected either with a shut-off valve with a plug on the outlet, or the handle of the drain shut-off valve is removed in the closed position.	6.1.4	[Yes / NA ?]	
29	If fitted, sight gauges are fitted with self-closing valve at bottom and top valve.	6.1.5	[Yes / NA ?]	
30	Diesel tanks meet the leakage test requirements according to 7.1.2	6.2.1	[Yes / NA ?]	
31	If diesel tank is non-metallic, non-integral and installed in engine compartment, the tank is fire tested according to 7.4 or 7.5.	6.2.3	[Yes ?]	
32	Petrol and/or diesel fuel tank has been type tested with hydraulic pressure/strength test by fuel tank manufacturer	7.2.1	[Yes ?]	
33	Individual fuel tank has been leakage tested by fuel tank manufacturer	7.2.2	[Yes ?]	
33	Marking as required, including maximum temperature for non-metallic.	8	[Yes ?]	

Comments:

Date and Signature: