



Record of Construction and Equipment

Supplement to the International Air Pollution Prevention Certificate (IAPP Certificate)

- Notes:
- 1 This Record shall be permanently attached to the IAPP Certificate. The IAPP Certificate shall be available on board the ship at all times.
 - 2 The Record shall be at least in English, French or Spanish. If an official language of the issuing country is also used, this shall prevail in case of a dispute or discrepancy.
 - 3 Entries in boxes shall be made by inserting either a cross (X) for the answer "yes" and "applicable" or a (-) for the answers "no" and "not applicable" as appropriate.
 - 4 Unless otherwise stated, regulations mentioned in this Record refer to regulations of Annex VI of the Convention and resolutions or circulars refer to those adopted by the International Maritime Organisation.

1. Particulars of Ship:

1.1	Name of ship	NORNA
1.2	IMO number	8608341
1.3	Date on which keel was laid or ship was at a similar stage of construction	07/01/1987
1.4	Length (L) ¹ metres	-

2. Control of emissions from ships

2.1 Ozone depleting substances (regulation 12)

-- 2.1.1 The following fire extinguishing systems, other systems and equipment containing ozone-depleting substances, other than hydrochlorofluorocarbons (HCFCs), installed before 19 May 2005 may continue in service:

System or equipment	Location on board	Substance

-- 2.1.2 The following systems containing HCFCs installed before 1 January 2020 may continue in service:

System or equipment	Location on board	Substance

¹ Completed only in respect of ships constructed on or after 1 January 2016, which are specially designed, and used solely, for recreational purposes and to which, in accordance with regulation 13.5.2.1, the NOx emission limit as given by regulation 13.5.1.1 will not apply.

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- 2.2 Nitrogen oxides (NOx) (regulation 13):
- 2.2.1 The following marine diesel engines installed on this ship comply with the applicable emission limit of regulation 13 in accordance with the revised NOx Technical Code 2008:

	Engine #1	Engine #2	Engine #3	Engine #4	Engine #5
Manufacturer and model					
Serial number					
Use					
Power output (kW)					
Rated speed (RPM)					
Date of installation					
Date of major conversion (dd/mm/yyyy)	According to Reg. 13.2.2				
	According to Reg. 13.2.3				
Exempted by Reg. 13.1.1.2	--	--	--	--	--
Tier I Reg.13.3	--	--	--	--	--
Tier II Reg.13.4	--	--	--	--	--
Tier II Reg.13.2.2 or 13.5.2	--	--	--	--	--
Tier III Reg.13.5.1.1	--	--	--	--	--
Approved method exists	--	--	--	--	--
Approved method not commercially available	--	--	--	--	--
Approved method installed	--	--	--	--	--
	Engine #6	Engine #7	Engine #8	Engine #9	Engine #10
Manufacturer and model					
Serial number					
Use					
Power output (kW)					
Rated speed (RPM)					
Date of installation					
Date of major conversion (dd/mm/yyyy)	According to Reg. 13.2.2				
	According to Reg. 13.2.3				
Exempted by Reg. 13.1.1.2	--	--	--	--	--
Tier I Reg.13.3	--	--	--	--	--
Tier II Reg.13.4	--	--	--	--	--
Tier II Reg.13.2.2 or 13.5.2	--	--	--	--	--
Tier III Reg.13.5.1.1	--	--	--	--	--
Approved method exists	--	--	--	--	--
Approved method not commercially available	--	--	--	--	--
Approved method installed	--	--	--	--	--

- 2.3 Sulphur oxides (SOx) and particulate matter (regulation 14)
 - 2.3.1 When the ship operates outside of an Emission Control Area specified in regulation 14.3, the ship uses:
 - 2.3.1.1 fuel oil with a sulphur content as documented by bunker delivery notes that does not exceed the limit value of:
 - X** 4.50% m/m (not valid on or after 1 January 2012); or
 - 3.50% m/m (not valid on or after 1 January 2020); or
 - 0.50% m/m, and/or
 - 2.3.1.2 an equivalent arrangement approved in accordance with regulation 4.1 as listed in 2.6 that is at least as effective in terms of SOx emission reductions as compared to using a fuel oil with a sulphur content limit value of:
 - 4.50% m/m (not valid on or after 1 January 2012); or
 - 3.50% m/m (not valid on or after 1 January 2020); or
 - 0.50% m/m
 - 2.3.2 When the ship operates inside an Emission Control Area specified in regulation 14.3, the ship uses:
 - 2.3.2.1 fuel oil with a sulphur content as documented by bunker delivery notes that does not exceed the limit value of:
 - X** 1.00% m/m (not valid on or after 1 January 2015); or
 - 0.10% m/m, and/or
 - 2.3.2.2 an equivalent arrangement approved in accordance with regulation 4.1 as listed in 2.6 that is at least as effective in terms of SOx emission reductions as compared to using a fuel oil with a sulphur content limit value of:
 - 1.00% m/m (not valid on or after 1 January 2015); or
 - 0.10% m/m
- 2.4 Volatile organic compounds (VOCs) (regulation 15)
 - 2.4.1 The tanker has a vapour collection system installed and approved in accordance with MSC/Circ.585.

Approval certificate number	Approved operations manual	Approving authority	Date

- 2.4.2.1 For a tanker carrying crude oil, there is an approved VOC Management Plan
- 2.4.2.2 VOC Management Plan approval reference:

Approval certificate number	Approved operations manual	Approving authority	Date

- 2.5 Shipboard incineration (regulation 16)
 - The ship has an incinerator:
 - 2.5.1 installed on or after 1 January 2000 that complies with resolution MEPC.76(40) as amended

Manufacturer and model	Serial number	Type test certificate number

- 2.5.2 installed before 1 January 2000 that complies with:
 - 2.5.2.1 resolution MEPC.59(33)

Manufacturer and model	Serial number	Type test certificate number

- 2.5.2.2 resolution MEPC.76(40)

Manufacturer and model	Serial number	Type test certificate number

X 2.5.3 installed before 1 January 2000 and which does not comply with resolution MEPC.76(40) as amended or resolution MEPC.59(33) as amended.

Manufacturer and model	Serial number	Type test certificate number
HAMWORTHY SERIES 40 TYPE 78010410	42978.14	N/A

-- 2.6 Equivalent (regulation 4)
The ship has been allowed to use the following fitting, material, appliance or apparatus to be fitted in a ship or other procedures, alternative fuel oils, or compliance methods used as an alternative to that required by this Annex:

System or equipment	Equivalent used	Approval reference	Method

This is to certify that this Record is correct in all respects.

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on **04 February 2011**



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