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## 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   | <b>XIN BIN HAI</b>     |
| 1.2 | IMO number   | <b>9492098</b>         |
| 1.3 | Date on which keel was laid or ship was at a similar stage of construction | <b>05 October 2009</b> |
| 1.4 | Length (L) <sup>1</sup> metres   | <b>Not applicable</b>  |

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 hydro-chlorofluorocarbons (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

<sup>1</sup> Completed only in respect of ships constructed on or after 1 January 2016 that are specially designed, and used solely for recreational purposes and to which, in accordance with regulation 13.5.2.1 or regulation 13.5.2.3, 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 are in accordance with the requirements of regulation 13, as indicated:

Applicable regulation of MARPOL Annex VI (NTC = NOx Technical Code 2008) (AM = Approved Method)		Engine #1	Engine #2	Engine #3	Engine #4	Engine #5	Engine #6
1	Manufacturer and model	<b>DMD-MAN 6S70MC-C</b>	<b>SXD-DAIHATSU 6DK-20</b>	<b>SXD-DAIHATSU 6DK-20</b>	<b>SXD-DAIHATSU 6DK-20</b>		
2	Serial number	<b>0645</b>	<b>D200609007</b>	<b>D200609008</b>	<b>D200609009</b>		
3	Use (applicable application cycle(s) – NTC 3.2)	<b>E3</b>	<b>D2</b>	<b>D2</b>	<b>D2</b>		
4	Rated power (kW) (NTC 1.3.11)	<b>18660</b>	<b>960</b>	<b>960</b>	<b>960</b>		
5	Rated speed (RPM) (NTC 1.3.12)	<b>91</b>	<b>900</b>	<b>900</b>	<b>900</b>		
6	Identical engine installed ≥ 1/1/2000 exempted by 13.1.1.2	–	–	–	–	–	–
7	Identical engine installation date (dd/mm/yyyy) as per 13.1.1.2	<b>Not Applicable</b>	<b>Not Applicable</b>	<b>Not Applicable</b>	<b>Not Applicable</b>	–	
8a	13.2.1.1 & 13.2.2	<b>Not Applicable</b>	<b>Not Applicable</b>	<b>Not Applicable</b>	<b>Not Applicable</b>		
8b	Major Conversion (dd/mm/yyyy) 13.2.1.2 & 13.2.3	<b>Not Applicable</b>	<b>Not Applicable</b>	<b>Not Applicable</b>	<b>Not Applicable</b>		
8c	13.2.1.3 & 13.2.3	<b>Not Applicable</b>	<b>Not Applicable</b>	<b>Not Applicable</b>	<b>Not Applicable</b>		
9a	13.3	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	–	–
9b	13.2.2	–	–	–	–	–	–
9c	Tier I 13.2.3.1	–	–	–	–	–	–
9d	13.2.3.2	–	–	–	–	–	–
9e	13.7.1.2	–	–	–	–	–	–
10a	13.4	–	–	–	–	–	–
10b	13.2.2	–	–	–	–	–	–
10c	13.2.2 (Tier III not possible)	–	–	–	–	–	–
10d	13.2.3.2	–	–	–	–	–	–
10e	13.5.2 (Exemptions)	–	–	–	–	–	–
10f	13.7.1.2	–	–	–	–	–	–
11a	13.5.1.1	–	–	–	–	–	–
11b	Tier III (ECA-NOx only) 13.2.2	–	–	–	–	–	–
11c	13.2.3.2	–	–	–	–	–	–
11d	13.7.1.2	–	–	–	–	–	–
12	installed	–	–	–	–	–	–
13	AM* not commercially available at this survey	–	–	–	–	–	–
14	not applicable	–	–	–	–	–	–

\* Refer to the 2014 Guidelines on the approved method process (resolution MEPC.243(66)).

Applicable regulation of MARPOL Annex VI (NTC = NOx Technical Code 2008) (AM = Approved Method)		Engine #7	Engine #8	Engine #9	Engine #10	Engine #11	Engine #12
1	Manufacturer and model						
2	Serial number						
3	Use (applicable application cycle(s) – NTC 3.2)						
4	Rated power (kW) (NTC 1.3.11)						
5	Rated speed (RPM) (NTC 1.3.12)						
6	Identical engine installed ≥ 1/1/2000 exempted by 13.1.1.2	–	–	–	–	–	–
7	Identical engine installation date (dd/mm/yyyy) as per 13.1.1.2						
8a	13.2.1.1 & Major 13.2.2						
8b	Conversion 13.2.1.2 & (dd/mm/yyyy) 13.2.3						
8c	13.2.1.3 & 13.2.3						
9a	13.3	–	–	–	–	–	–
9b	13.2.2	–	–	–	–	–	–
9c	Tier I 13.2.3.1	–	–	–	–	–	–
9d	13.2.3.2	–	–	–	–	–	–
9e	13.7.1.2	–	–	–	–	–	–
10	13.4	–	–	–	–	–	–
10	13.2.2	–	–	–	–	–	–
10	13.2.2 (Tier III not possible)	–	–	–	–	–	–
10	Tier II 13.2.3.2	–	–	–	–	–	–
10	13.5.2	–	–	–	–	–	–
e	(Exemptions)	–	–	–	–	–	–
10	13.7.1.2	–	–	–	–	–	–
11	13.5.1.1	–	–	–	–	–	–
11	Tier III 13.2.2	–	–	–	–	–	–
11	(ECA-NOx only) 13.2.3.2	–	–	–	–	–	–
11	13.7.1.2	–	–	–	–	–	–
12	installed not commercially available at this survey	–	–	–	–	–	–
13	AM*	–	–	–	–	–	–
14	not applicable	–	–	–	–	–	–

\* Refer to the 2014 Guidelines on the approved method process (resolution MEPC.243(66)).

- 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:
- X 2.3.1.1 fuel oil with a sulphur content as documented by bunker delivery notes that does not exceed the limit value of 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 0.50% m/m.
- 2.3.2 When the ship operates inside an Emission Control Area specified in regulation 14.3, the ship uses:
- X 2.3.2.1 fuel oil with a sulphur content as documented by bunker delivery notes that does not exceed the limit value of 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 0.10% m/m
- X 2.3.3 For a ship without an equivalent arrangement approved in accordance with regulation 4.1 as listed in paragraph 2.6, the sulphur content of fuel oil carried for use on board the ship shall not exceed 0.50% m/m as documented by bunker delivery notes
- 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
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- 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
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- 2.5 Shipboard incineration (regulation 16)
- The ship has an incinerator:
- 2.5.1 installed on or after 1 January 2000 that complies with:
- X 2.5.1.1 resolution MEPC.76(40), as amended\*

Manufacturer and model	Serial number	Type test certificate number
ATLAS Incinerator A/S / 800SL WSP	403260	DNV MED-B-3581

- 2.5.1.2 resolution MEPC.244(66)
- Manufacturer and model

Serial number	Type test certificate number
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\* As amended by resolution MEPC.93(45).

- 2.5.2 installed before 1 January 2000 that complies with:
- 2.5.2.1 resolution MEPC.59(33), amended\*\*
- | Manufacturer and model | Serial number | Type test certificate number |
|------------------------|---------------|------------------------------|
|                        |               |                              |
- 2.5.2.2 resolution MEPC.76(40), amended\*
- | Manufacturer and model | Serial number | Type test certificate number |
|------------------------|---------------|------------------------------|
|                        |               |                              |
- 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 |
|------------------------|---------------|------------------------------|
|                        |               |                              |

2.6 Equivalents (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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P.Ding  
Surveyor to Lloyd's Register Classification Society (China) Co., Ltd.

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\* As amended by resolution MEPC.93(45).  
\*\* As amended by resolution MEPC.92(45).