

Panama**INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE**

(This certificate shall be supplemented by a Record of Construction and Equipment)

(Supplement No. **23HD0043-APR**)Certificate No. **23HD004300-APP**

Issued under the provisions of the Protocol of 1997, as amended, to amend the
INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS, 1973,
as modified by the Protocol of 1978 related thereto (hereinafter referred to as "the Convention")

under the authority of the Government of:

the Republic of Panama

by NIPPON KAIJI KYOKAI

Particulars of ship

Name of ship : **AKSON ADAM**

Distinctive number or letters : **3E4633**

Port of registry : **Panama**

Gross tonnage : **32,983**

IMO Number : **IMO 9588598**

THIS IS TO CERTIFY:

1. That the ship has been surveyed in accordance with regulation 5 of Annex VI of the Convention; and
2. That the survey shows that the equipment, systems, fittings, arrangements and materials fully comply with the applicable requirements of Annex VI of the Convention.



Completion date of survey on which this certificate is based: **15 July 2021**

This Certificate is valid until ¹⁾ **26 June 2026**

subject to surveys in accordance with regulation 5 of Annex VI of the Convention.

Issued at **Hakodate** on **19 July 2023**

The undersigned declares that he is duly authorized by the said Government to issue this certificate.



K. MUTO, Surveyor

NIPPON KAIJI KYOKAI



1) Insert the date of expiry as specified by the Administration in accordance with regulation 9.1 of Annex VI of the Convention. The day and the month of this date correspond to the anniversary date as defined in regulation 2.3 of Annex VI of the Convention, unless amended in accordance with regulation 9.8 of Annex VI of the Convention.



Endorsement for annual and intermediate surveys

THIS IS TO CERTIFY that, at a survey required by regulation 5 of Annex VI of the Convention, the ship was found to comply with the relevant provisions of that Annex:

Annual survey:

Place: **Singapore**

Date: **26 August 2022**

Signed: Yeap Boon Hou
Surveyor to NIPPON KAIJI KYOKAI



Annual / Intermediate ²⁾ survey :

Place:

Date:

Signed: _____
Surveyor to NIPPON KAIJI KYOKAI

Annual / Intermediate ²⁾ survey :

Place:

Date:

Signed: _____
Surveyor to NIPPON KAIJI KYOKAI

Annual survey:

Place:

Date:

Signed: _____
Surveyor to NIPPON KAIJI KYOKAI

Annual / intermediate survey in accordance with regulation 9.8.3

THIS IS TO CERTIFY that, at an annual / intermediate ²⁾ survey in accordance with regulation 9.8.3 of Annex VI of the Convention, the ship was found to comply with the relevant provisions of that Annex:

Place:

Date:

Signed: _____
Surveyor to NIPPON KAIJI KYOKAI

2) Delete as appropriate.



Endorsement to extend the certificate if valid for less than 5 years where regulation 9.3 applies

The ship complies with the relevant provisions of the Annex, and this certificate shall, in accordance with regulation 9.3 of Annex VI of the Convention, be accepted as valid until:

Place:

Date:

Signed:

Surveyor to NIPPON KAIJI KYOKAI

Endorsement where the renewal survey has been completed and regulation 9.4 applies

The ship complies with the relevant provisions of the Annex, and this certificate shall, in accordance with regulation 9.4 of Annex VI the Convention, be accepted as valid until:

Place:

Date:

Signed:

Surveyor to NIPPON KAIJI KYOKAI

Endorsement to extend the validity of the certificate until reaching the port of survey or for a period of grace where regulation 9.5 or 9.6 applies

This certificate shall, in accordance with regulation 9.5 / 9.6 ²⁾ of Annex VI of the Convention, be accepted as valid until:

Place:

Date:

Signed:

Surveyor to NIPPON KAIJI KYOKAI

Endorsement for advancement of anniversary date where regulation 9.8 applies

In accordance with regulation 9.8 of Annex VI of the Convention, the new anniversary date is:

Place:

Date:

Signed:

Surveyor to NIPPON KAIJI KYOKAI

In accordance with regulation 9.8 of Annex VI of the Convention, the new anniversary date is:

Place:

Date:

Signed:

Surveyor to NIPPON KAIJI KYOKAI

2) Delete as appropriate.



SUPPLEMENT TO
INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE
(IAPP CERTIFICATE)

RECORD OF CONSTRUCTION AND EQUIPMENT

Supplement No. **23HD0043-APR**

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 answers "yes" and "applicable" or a dash (-) 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 Organization.

1. *Particulars of ship*

- 1.1 Name of ship **AKSON ADAM**
- 1.2 IMO number **IMO 9588598**
- 1.3 Date on which keel was laid or ship was at a similar stage of construction
22 October 2010
- 1.4 Length (L) * 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
<i>Nil</i>		

* 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.

IAPPSupl (22.04)



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

System or equipment	Location on board	Substance
<i>Nil</i>		

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		Engine #1	Engine #2	Engine #3	Engine #4	Engine #5	Engine #6
1	Manufacturer and model	6S50MC-C (MITSUI)	SDK-20 (SHAANXI)	SDK-20 (SHAANXI)	SDK-20 (SHAANXI)		
2	Serial number	5456	D200510013	D200510014	D200510015		
3	Use (applicable application cycle(s)– NTC* 3.2)	Main Propulsion (E3)	Generator (D2)	Generator (D2)	Generator (D2)		
4	Rated power (kW) (NTC* 1.3.11)	9,480	660	660	660		
5	Rated speed (RPM) (NTC* 1.3.12)	127	900	900	900		
6	Identical engine installed \geq 1/1/2000 exempted by 13.1.1.2	-	-	-	-	-	-
7	Identical engine installation date (dd/mm/yyyy) as per 13.1.1.2	---	---	---	---		
8a	Major Conversion (dd/mm/yyyy)	13.2.1.1 & 13.2.2	---	---	---		
8b		13.2.1.2 & 13.2.3	---	---	---		
8c		13.2.1.3 & 13.2.3	---	---	---		
9a	Tier I	13.3	X	X	X	-	-
9b		13.2.2	-	-	-	-	-
9c		13.2.3.1	-	-	-	-	-
9d		13.2.3.2	-	-	-	-	-
9e		13.7.1.2	-	-	-	-	-
10a	Tier II	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	-	-	-	-	-

* NTC means "NOx Technical Code 2008"

IAPPsupl (22.04)



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

System or equipment	Location on board	Substance
<i>Nil</i>		

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			Engine #1	Engine #2	Engine #3	Engine #4	Engine #5	Engine #6
1	Manufacturer and model		6S50MC-C (MITSUI)	5DK-20 (SHAANXI)	5DK-20 (SHAANXI)	5DK-20 (SHAANXI)		
2	Serial number		5456	D200510013	D200510014	D200510015		
3	Use (applicable application cycle(s)– NTC* 3.2)		Main Propulsion (E3)	Generator (D2)	Generator (D2)	Generator (D2)		
4	Rated power (kW) (NTC* 1.3.11)		9,480	660	660	660		
5	Rated speed (RPM) (NTC* 1.3.12)		127	900	900	900		
6	Identical engine installed \geq 1/1/2000 exempted by 13.1.1.2		-	-	-	-	-	-
7	Identical engine installation date (dd/mm/yyyy) as per 13.1.1.2		---	---	---	---		
8a	Major Conversion (dd/mm/yyyy)	13.2.1.1 & 13.2.2	---	---	---	---		
8b		13.2.1.2 & 13.2.3	---	---	---	---		
8c		13.2.1.3 & 13.2.3	---	---	---	---		
9a	Tier I	13.3	X	X	X	X	-	-
9b		13.2.2	-	-	-	-	-	-
9c		13.2.3.1	-	-	-	-	-	-
9d		13.2.3.2	-	-	-	-	-	-
9e		13.7.1.2	-	-	-	-	-	-
10a	Tier II	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	-	-	-	-	-	-

* NTC means "NOx Technical Code 2008"

IAPPsupl (22.04)



Applicable regulation of MARPOL Annex VI			Engine #1	Engine #2	Engine #3	Engine #4	Engine #5	Engine #6
11a	Tier III (ECA-NOx only)	13.5.1.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11b		13.2.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11c		13.2.3.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11d		13.7.1.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	Approved Method*	installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13		not commercially available at this survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14		not applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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:

- .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 an equivalent arrangement approved in accordance with regulation 4.1 as listed in paragraph 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:

- .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 an equivalent arrangement approved in accordance with regulation 4.1 as listed in paragraph 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 ☐

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 ☒

2.3.4 The ship is fitted with designated sampling point(s) in accordance with regulation 14.10 or 14.11 ☐

2.3.5 In accordance with regulation 14.12, the requirement for fitting or designating sampling point(s) in accordance with regulation 14.10 or 14.11 is not applicable for a fuel oil service system for a low-flashpoint fuel for combustion purposes for propulsion or operation on board the ship ☐

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



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. ☐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: _____

2.5 Shipboard incineration (regulation 16)

The ship has an incinerator:

.1 installed on or after 1 January 2000 that complies with:

.1 resolution MEPC.76(40) as amended * ☒.2 resolution MEPC.244(66) ☐

.2 installed before 1 January 2000 that complies with:

.1 resolution MEPC.59(33) as amended ** ☐.2 resolution MEPC.76(40) as amended * ☐

2.6 Equivalentents (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
	<i>Nil</i>	

THIS IS TO CERTIFY that this Record is correct in all respects.

Issued at

Hakodate

on 19 July 2023



K. MUTO, Surveyor

NIPPON KAIJI KYOKAI



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

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

IAPPSupl (22.04)

