



# INTERNATIONAL ENERGY EFFICIENCY CERTIFICATE

(This certificate shall be supplemented by a Record of Construction relating to Energy Efficiency)

Certificate No. **23AX033300-EEC**

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 relating 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 SERIN**

Distinctive number or letters : **3FAM6**

Port of registry : **Panama**

Gross tonnage : **28,171**

IMO Number : **IMO 9275311**

## THIS IS TO CERTIFY:

1. That the ship has been surveyed in accordance with regulation 5.4 of Annex VI to the Convention; and
2. That the survey shows that the ship complies with the applicable requirements in regulation 22, 23, 24, 25 and 26.

Completion date of survey on which this certificate is based: **12 November 2023**

Issued at **Alexandria** on **12 November 2023**

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

**Walaa S. Mahrous, Surveyor**

**NIPPON KAIJI KYOKAI**



## Note:

**This certificate has been issued because all related conditions have been cleared.**



**SUPPLEMENT TO THE  
INTERNATIONAL ENERGY EFFICIENCY CERTIFICATE  
(IEE CERTIFICATE)**

**RECORD OF CONSTRUCTION RELATING TO ENERGY EFFICIENCY**

**Notes:**

1. This Record shall be permanently attached to the IEE Certificate. The IEE 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 Party 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 in 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	<b>AKSON SERIN</b>
1.2	IMO Number	<b>IMO 9275311</b>
1.3	Date of building contract	<b>28 June 2002</b>
1.4	Date of major conversion (if applicable)	---
1.5	Gross tonnage	<b>28,171</b>
1.6	Deadweight	<b>48,821</b>
1.7	Type of ship*	<b>Bulk carrier</b>

**2 Propulsion system**

2.1	Diesel propulsion	-----	<input checked="" type="checkbox"/>
2.2	Diesel-electric propulsion	-----	<input type="checkbox"/>
2.3	Turbine propulsion	-----	<input type="checkbox"/>
2.4	Hybrid propulsion	-----	<input type="checkbox"/>
2.5	Propulsion system other than any of the above	-----	<input type="checkbox"/>

\*Insert ship type in accordance with definitions specified in regulation 2. Ships falling into more than one of the ship types defined in regulation 2 should be considered as being the ship type with the most stringent (the lowest) required EEDI. If the ship does not fall into the ship types defined in regulation 2, insert “Ship other than ship types defined in regulation 2”.



**3 Attained Energy Efficiency Design Index (EEDI)**

3.1 The attained EEDI in accordance with regulation 22.1 is calculated based on the information contained in the EEDI technical file, which also shows the process of calculating the attained EEDI ----- ☒

The attained EEDI is: --- grams-CO<sub>2</sub> / tonne-nautical mile

3.2 The attained EEDI is not calculated, as:

3.2.1 the ship is exempt under regulation 22.1 as it is not a new ship as defined in regulation 2.2.18 ----- ☒

3.2.2 the type of propulsion system is exempt in accordance with regulation 19.3 ----- ☐

3.2.3 the requirement of regulation 22 is waived by the ship's Administration in accordance with regulation 19.4 ----- ☐

3.2.4 the type of ship is exempt in accordance with regulation 22.1 ----- ☐

**4 Required EEDI**

4.1 Required EEDI is: --- grams-CO<sub>2</sub> / tonne-mile

4.2 The required EEDI is not applicable, as:

4.2.1 the ship is exempt under regulation 24.1 as it is not a new ship as defined in regulation 2.2.18 ----- ☒

4.2.2 the type of propulsion system is exempt in accordance with regulation 19.3 ----- ☐

4.2.3 the requirement of regulation 24 is waived by the ship's Administration in accordance with regulation 19.4 ----- ☐

4.2.4 the type of ship is exempt in accordance with regulation 24.1 ----- ☐

4.2.5 the ship's capacity is below the minimum capacity threshold in table 1 of regulation 24.2 ----- ☐

**5 Attained Energy Efficiency Existing Ship Index (EEXI)**

5.1 The attained EEXI in accordance with regulation 23.1 is calculated taking into account the guidelines developed by the Organization----- ☒

The attained EEXI is: **4.46** grams-CO<sub>2</sub> / tonne-mile

5.2 The attained EEXI is not calculated, as:

5.2.1 the type of propulsion system is exempt in accordance with regulation 19.3----- ☐

5.2.2 the type of ship is exempt in accordance with regulation 23.1----- ☐



**6 Required EEXI**

6.1 The required EEXI is: **4.46** grams-CO<sub>2</sub> / tonne-mile in accordance with regulation 25

6.2 The required EEXI is not applicable, as:

6.2.1 the type of propulsion system is exempt in accordance with regulation 19.3 ----- ☐

6.2.2 the type of ship is exempt in accordance with regulation 25.1----- ☐

6.2.3 the ship's capacity is below the minimum capacity threshold in table 3 of regulation 25.1 ----- ☐

**7 Ship Energy Efficiency Management Plan**

7.1 The ship is provided with a Ship Energy Efficiency Management Plan (SEEMP) in compliance with regulation 26 ----- ☒

**8 EEDI technical file**

8.1 The IEE Certificate is accompanied by the EEDI technical file in compliance with regulation 22.1 ----- ☐

8.1.1 The EEDI technical file identification / verification number

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8.1.2 The EEDI technical file verification date ---

**9 EEXI technical file**

9.1 The IEE Certificate is accompanied by the EEXI technical file in compliance with regulation 23.1 ----- ☒

9.1.1 The EEXI technical file identification / verification number

--- / **23EE1279EXT-P**

9.1.2 The EEXI technical file verification date **21 April 2023**

9.2 The IEE Certificate is not accompanied by the EEXI technical file as the attained EEDI is used as an alternative to the attained EEXI ----- ☐

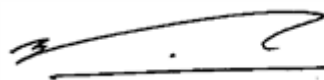


THIS IS TO CERTIFY that this Record is correct in all respects.

Issued at

**Alexandria**

on **12 November 2023**



**Walaa S. Mahrous, Surveyor**



**NIPPON KAIJI KYOKAI**

