

ClassIBS

ISTHMUS BUREAU OF SHIPPING



TID: 1523-0829-0508-3514

SOCIEDAD CLASIFICADORA INTERNACIONAL

INTERNATIONAL CLASSIFICATION SOCIETY

CERTIFICADO DE CLASE

CERTIFICATE OF CLASSIFICATION

No. de Certificado / Cert. No. **CLS1107**
No. de Aprobación / App. No. **8398020230425**

NOMBRE DEL BUQUE:
SHIP'S NAME: **BETTY K VI**

ClassIBS No.: **86073916**
ClassIBS Number:

TIPO Y SERVICIO:
TYPE OF SHIP & SERVICE: **OTHER CARGO SHIP
GENERAL CARGO**

BANDERA:
FLAG: **PANAMA**

PUERTO DE
REGISTRO:
PORT OF REGISTRY: **PANAMA**

CONSTRUCTOR:
SHIP BUILDER: **BRODOGRADILISTE SAVA**

ARMADOR:
OWNER: **DORICK NAVIGATION S.A.**

TONELAJE BRUTO:
GROSS TONNAGE: **1472.00**

NUMERO IMO:
IMO NUMBER: **8801216**

NUMERO DE LLAMADA:
CALL SIGN: **HO-5720**

ESLORA (m):
LENGTH (m): **58.30**

PUESTA DE QUILLA:
KEEL LAID: **29-October-1986**

PROPULSION:
MAIN PROPULSION: **DIESEL ENGINE**

No. & POTENCIA:
No. & RATED POWER: **1 X 809 Kw**

Se certifica que, el buque arriba mencionado ha sido inspeccionado por Isthmus Bureau of Shipping (ClassIBS), y se ha determinado que cumple con las Normas y Reglamentos de ClassIBS para la Clasificación de Buques, y dicho buque ha entrado en el Libro de Registro de esta Sociedad con la siguiente notación de Clase:

This is to certify that, the above named ship has been surveyed by Isthmus Bureau of Shipping and having been found in compliance with ClassIBS Rules and Regulations for the Classification of Ships, the aforesaid has entered in the Society's Register Book with the following class notation:

IBSM.General Cargo.Ice III

Este Certificado es válido hasta
This certificate is valid until

April 30th, 2028

Expedido en
Issued at

Panama

el
the

27th

de
of

August, 2023



This document is signed electronically in accordance with IMO FAL 5/Circ.39/Rev.2. Validation can be obtained from apps.classibs.org by using the TID, QR and URL

Eng. Alcides Arosemena

Name and Signature of authorized official issuing the certificate
Isthmus Bureau of Shipping (ClassIBS)

Isthmus Bureau of Shipping (ClassIBS), sus filiales y subsidiarias, y sus respectivos oficiales, empleados o agentes, individual y colectivamente no son responsables y no serán responsables de ninguna pérdida, daño o gasto causado por la confianza en la información o asesoramiento en este certificado. El certificado evidencia cumplimiento con uno o más de los criterios de Isthmus Bureau of Shipping y se emite únicamente para el uso de esta Oficina, de sus comités, sus clientes o cualesquiera otras entidades autorizadas. El certificado de clase es sólo una representación de que el buque, estructura, material, equipos o maquinaria o cualquier otro tema cubierto por este certificado ha cumplido con uno o más de los criterios de Isthmus Bureau of Shipping. El certificado se rige por los términos y condiciones de este certificado, y el Sistema de Gestión de Calidad, Reglas y Regulaciones de Isthmus Bureau of Shipping, que será el único que juzgue los mismos.

Isthmus Bureau of shipping (ClassIBS), its affiliates and subsidiaries and their respective officer, employees or agents are individually and collectively not responsible and shall not be liable for any loss, damage or expense caused by reliance on the information or advice in this certificate. The certificate evidences compliance with one or more of the criteria of Isthmus Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or any other authorized entities. The certificate of Class is a representation only that the vessel, structure, material, equipment or machinery or any other item covered by this certificate has met one or more of the criteria of Isthmus Bureau of Shipping. The certificate is governed by the terms and conditions on this certificate, and the Quality Management System, Rules and Regulations of Isthmus Bureau of Shipping, who shall remain the sole judge thereof.

URL: <https://apps.classibs.org:8081/verification.php?imo=8801216&tid=1523082905083514>

Isthmus Bureau of Shipping (IBS), Williamson Place 0764, IBS Building La Boca, Balboa, Panama, Rep. of Panama, Tels: + (507) 211 - 2122, Fax: + (507) 211 - 2273

email: ibs@classibs.org, web: www.classibs.org

Form CLS-02SPN

Page 1 of 5

Date of Revision: October, 2021

Rev. 03

Endosos de visitas anuales e intermedias
Endorsement for annual and intermediate surveys

*Tachar según corresponda / Delete as appropriate

Inspección Anual
Annual Survey

Lugar/Place: Miami, Fl., USA

Fecha/Date: 2024-06-11

Nombre/Surveyor's Name: ALCIDES
AROSEMENA

Approval Survey No.: 8968420240625

Signature/Firma

ID No.: 436



Inspección Anual / Intermedia*
Annual / Intermediate Survey*

Lugar/Place: Nassau, Bahamas

Fecha/Date: 2025-07-22

Nombre/Surveyor's Name: ALCIDES
AROSEMENA

Approval Survey No.: 9672720250725

Firma/Signature

ID No.: 436



Inspección Anual / Intermedia*
Annual / Intermediate Survey*

Lugar/Place: _____

Fecha/Date: _____

Nombre/Surveyor's Name: _____

Approval Survey No.:

Firma/Signature

ID No.: _____

Inspección Anual
Annual Survey

Lugar/Place: _____

Fecha/Date: _____

Nombre/Surveyor's Name: _____

Approval Survey No.:

Firma/Signature

ID No.: _____



REPUBLIC OF PANAMA
PANAMA MARITIME AUTHORITY



MARITIME LABOUR CONVENTION, 2006.

DMLC-16679-PTY

DECLARATION OF MARITIME LABOUR COMPLIANCE - PART I

(Note: This Declaration must be attached to the ship's Maritime Labour Certificate)

Issued under the Panama Maritime Authority

With respect to the provisions of the Maritime Labour Convention, 2006, the following referenced ship:

Name Of Ship	Imo Number	Gross Tonnage
BETTY K VI	8801216	1,457

Is maintained in accordance with Standard A5.1.3 of the Convention

The undersigned declares, on behalf of the abovementioned competent authority, that:

- The provisions of the MLC, 2006 are fully embodied in the national requirements referred to below;
- These national requirements are contained in the national provisions referenced below; explanations concerning the content of those provisions where they differ from the MLC, 2006 are provided where necessary;
- The details of any substantial equivalencies under Article VI, paragraphs 3 and 4, are provided in the section provided for this purpose below;
- Any exemptions granted by the competent authority in accordance with Title 3 are clearly indicated in the section provided for this purpose below; and
- any ship-type specific requirements under national legislation are also referenced under the requirements concerned.

1. Minimum Age (Regulation 1.1)

- The minimum age to be employed or hired and able to work on board a Panamanian flagged vessel is 18 years old.
- Any person under the age of 18 years who for educational reasons has been authorized to carry out his/her professional practice on board a vessel may not do so during the night shift.

Executive Decree No. 86, February, 22, 2013. Title Second, Chapter I.

2. Medical certification (Regulation 1.2)

- The Panama Maritime Authority shall require that, prior to beginning work on a ship, seafarers hold a valid medical certificate attesting that they are medically fit to perform the duties they are to carry out at sea.
- The medical certificate shall be issued by a duly qualified medical practitioner in accordance with the requirements of the International Convention on Standards of Training Certification and Watchkeeping for Seafarers, 1978, amended.
- Unless a shorter period is required by reason of the specific duties to be performed by the seafarer concerned or is required under STCW:
 - A medical certificate shall be valid for a maximum period of two years
 - A certification of colour vision shall be valid for a maximum period of six years.
- In urgent cases the Panama Maritime Authority may permit a seafarer to work without a valid medical certificate until the next port of call where the seafarer can obtain a medical certificate from a qualified medical practitioner, provided that:
 - the period of such permission does not exceed three months; and
 - the seafarer concerned is in possession of an expired medical certificate of recent date.
- A medical certificate of recent expiry date is one that has not more than three months of expiry.
- If the period of validity of a certificate expires in the course of a voyage, the certificate shall continue in force until the next port of call where the seafarer can obtain a medical certificate from a qualified medical practitioner, provided that the period shall not exceed three months.



REPUBLIC OF PANAMA
PANAMA MARITIME AUTHORITY
Maritime Labour Convention, 2006

Declaration of Maritime Labour Compliance – Part II

(Note: This Declaration must be attached to the ship's Maritime Labour Certificate)

Measures adopted to ensure ongoing compliance between inspections

The following measures have been drawn up by the shipowner, named in the Maritime Labour Certificate to which this Declaration is attached, to ensure ongoing compliance between inspections:

(State below the measures drawn up to ensure compliance with each of the items in DMLC-Part I)

With the respect to the provisions of the Maritime Labour Convention, 2006, (MLC, 2006) the following referenced ship:

Name of Ship	IMO Number	Gross Tonnage
MV BETTY K VI	8801216	1472

1. Minimum age (Regulation 1.1)

X

(a) MMS Americas LLC Shall:

[1] No person below the minimum age of 18 years shall be employed in MMS's vessels.

(b) Master/DPA shall:

[1] Check the crew list, or passports or other official documents confirming the crewmember's birth dates.

2. Medical certification (Regulation 1.2)

X

(a) **MMS Americas LLC shall:** Ensure that all seafarers to which the STCW applies hold a valid/approved type medical fitness certificate attesting that they are medically fit to perform their respective shipboard duties.

(b) **Master/DPA shall:**

[1] Check for valid medical certificates/reports stating the crewmembers are fit for service aboard the vessel as follows:

- maximum two years for other seafarers,
- maximum six years for color vision certificates are recorded in DMLC-II

[2] Ensure all medical certificates/reports are issued by a medical practitioner. When a medical certificate's validity expires in the course of a voyage, the certificate shall continue in force until the next port of call where the seafarer can obtain a medical certificate from a qualified medical practitioner, provided that the period shall not exceed three months.

[3] Check to ensure crewmembers currently hold a valid Certificate of Competency.

[4] Ensure that, in urgent cases the permission is obtained from the Administration for seafarers work onboard without a valid medical certificate until the next port of call where the seafarer will obtain a medical certificate for ninety days maximum.

3. Qualifications of seafarers (Regulation 1.3)

X

(a) **MMS Americas shall:**

[1] Ensure that all seafarers have the required training and qualifications for the positions they will occupy aboard ship.

[2] Ensure the master maintains a crew list with details about all seafarer's qualifications, and the positions they



THIS COPY TO BE KEPT ONBOARD
for the use of surveyor's at future
load line surveys.

DET NORSKE VERITAS

REPORT ON MEASUREMENTS FOR LOAD LINES. RAPPORT SUR LES MESURES DE LIGNES DE CHARGE

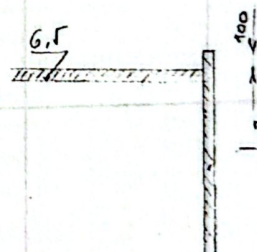
DATA NECESSARY FOR THE COMPUTATION OF FREEBOARDS. DONNEES NECESSAIRES A L'ESTIMATION DES FRANCS-BORDS

Veritas' Id. No. Numéro d'identité de Veritas... **B. N° 285** Shipbuilder Constructeurs du navire... **"SAVA" M. Mitrovica**
Name of Ship Nom du navire... **Vestborg** Yard Number Numéro du chantier... **285**
Freeboard assigned as a ship of Type Franc-bord assigné au titre d'un navire du type....

D Depth moulded amidships Creux sur quille au milieu du navire. **8,5825** m.
Least depth moulded Creux minimum sur quille. **8,60** m.
Depth to the lower edge of the keel rabbet Creux sur l'arête inférieure de la râblure de quille **8,60** m.

Make a sketch showing gunwale construction at junction of deck and shell, and indicate suitable position of decklines:

Faire un croquis montrant la construction des barbettes à la jonction du pont et de la coque, et indiquer la position convenable des levets:



L a) Length of the ship on the waterline at 85% of the least depth moulded measured from fore side of stem to centerline of rudder stock **58,30** m.
Longueur de navire à la ligne de flottaison située à une distance du dessus de quille égale à 85% du creux minimum sur quille mesurée entre la face avant de l'étrave et l'axe de la mèche du gouvernail.

b) Total length on the same waterline Longueur totale à la même ligne de flottaison **59,10** m.

B Breadth moulded Largeur hors membres **12,720** m.

Breadth outside wood planking Largeur hors bordé **12,734** m.

t Stringer plate thickness on freeboard deck Épaisseur de la tôle gouttière du pont de franc-bord **6,5** mm.

For open shelterdeckers, also state stringer plate thickness on superstructure deck mm.

Pour les navires à pont abri ouvert, indiquer aussi l'épaisseur de tôle-gouttière sur le pont de superstructure

Thickness of deckplating at F.P. Épaisseur du bordé de pont **6,5** mm.

T If the exposed freeboard deck has a wooden sheathing, state thickness of sheathing mm.
Si le pont de franc-bord exposé a un doublage en bois, en donner l'épaisseur

State extent of wooden sheathing (both longitudinally and transversally):
Indiquer l'étendue du doublage en bois (longitudinal et transversal):

k Thickness of keel plate or height of keel below the base line **11** mm.
Épaisseur de la tôle de quille ou hauteur de quille sous la ligne de base



ClassIBS

ISTHMUS BUREAU OF SHIPPING



TID: 1523-0828-0820-4532

CARGO SHIP SAFETY CONSTRUCTION CERTIFICATE

Issued under the provisions of the INTERNATIONAL CONVENTION FOR THE SAFETY OF
LIFE AT SEA, 1974, as modified by the Protocol of 1988 relating thereto,
under the authority of the Government of

THE REPUBLIC OF PANAMA
by ISTHMUS BUREAU OF SHIPPING

Certificate No. **SAFCON808**
Approval No. **8398720230425**

SHIP'S NAME: **BETTY K VI**
DISTINCTIVE NUMBER or
LETTERS: **HP-5720**
DEADWEIGHT OF SHIP
(METRIC TONS)¹: **-**
PORT OF REGISTRY: **PANAMA**

GROSS TONNAGE: **1472**
IMO NUMBER: **8801216**
LENGTH(m): **58.30**

Type of ship³

~~Bulk Carrier~~ ~~Oil Tanker~~ ~~Chemical Tanker~~ ~~Gas Carrier~~
Cargo ship other than any of the above

Date of build (All applicable dates shall be completed):

Date of building contract

Date on which keel was laid or ship was at similar stage of construction.

Date of delivery

Date on which work for a conversion, or an alteration or modification of a major
character was commenced (where applicable)

29 October 1986

05 April 1988

THIS IS TO CERTIFY:

1. That the ship has been surveyed in accordance with the requirements of regulation 1/10 of the Convention.
2. That the survey showed that:
 - 1 the condition of the structure, machinery and equipment as defined in the above regulation was satisfactory and the ship complied with the relevant requirements of chapters II-1 and II-2 of the Convention (other than those relating to fire safety systems and appliances and fire control plans).
 - 2 the ship complied with part G of chapter II-1 of the Convention using as fuel / N.A.³
3. That the last two inspections of the outside of the ship's bottom took place on 26 Aug. 2023 and 21 Jan. 2021
4. That an Exemption Certificate ~~has~~ *has not*³ been issued.
5. The ~~was~~ *was not*³ ship subjected to an alternative design and arrangement in pursuance of regulation(s) *II-1/55 / II-2/17*³ of the Convention.
6. A document of approval of alternative design and arrangement for machinery and electrical installation/fire protection³ ~~is~~ *is not*³ appended to this certificate.

This certificate is valid until⁴ April 30th, 2028 subject to the annual and intermediate surveys and inspections of the outside of the ship's bottom in accordance with Regulation I/10 of the Convention.

Completion date of the survey on which this certificate is based April 21st, 2023

Issued at Panama the 27th day of August, 2023



This document is signed electronically in accordance with
IMO FAL 5/Circ.39 Rev.2. Validation can be obtained
from apps.classibs.org by using the TID, QR and URL

Eng. Alcides Arosemena
Isthmus Bureau of Shipping

¹ For oil tankers, chemical tankers and gas carriers only.

² In accordance with IMO Ship Identification Number Scheme adopted by the Organization by Resolution A.600 (15).

³ Delete as appropriate

⁴ Insert the date of expiry as specified by the Administration in accordance with Regulation I/14 (e) of the Convention. The day and the month of this date correspond to the anniversary date as defined in Regulation I/2(n) of the Convention, unless amended in accordance with Regulation I/14(h).

URL: <https://apps.classibs.org:8081/verification.php?imo=8801216&tid=1523082808204532>

Isthmus Bureau of Shipping (IBS), Williamson Place, IBS Building 0764, La Boca, Balboa, Panama, Rep. of Panama, Tels: + (507) 211 - 2122, Fax: + (507) 211 - 2273

Email: ibs@classibs.org Web: www.classibs.org



**DET NORSKE
VERITAS**

RECORD OF APPROVED CARGO SHIP SAFETY EQUIPMENT

This form must be kept on board and be available for inspection by a nominated surveyor or recognized organization at all times

Under the provisions of the
**INTERNATIONAL CONVENTION FOR THE SAFETY OF LIFE AT SEA (SOLAS), 1974,
1978 SOLAS PROTOCOL, 1981 AND 1983 SOLAS AMENDMENTS**

Name of ship: <i>BILLY K VI</i>	Gross Tonnage: <i>1457</i>
Class: <i>+1416 ton cargo ED-300-L</i>	Official No.: <i>19827 - DEKT</i>
Veritas' Id.No.: <i>14935</i>	Signal Letters: <i>HP-5720</i>
Owners: <i>Derrick Navigation Panama</i>	Builders: <i>Sava, Beograd</i>
Nationality: <i>Panama</i>	Yard No.: <i>285</i>
Port of Registry: <i>Panama</i>	Under supervision of: <i>DNV</i>
	Keel laid (see NOTE below) <i>1988</i>
☐ L _{reg} : ☐ L _{pp} : ☐ L _{oa} : <i>61.55 m.</i>	Sister ships:
For authorization: See Veritas Standard Information Fiche.	Survey requested by: <i>Own-Rep.</i>

The total number of persons provided for by life saving appliances is *10* and no more, viz.:

..... lifeboats on port side capable of accommodating	 persons	
..... lifeboats on starboard side capable of accommodating	 persons	
..... motor lifeboats (included in the total lifeboats shown above)		
..... mechanically propelled lifeboat (included in the total lifeboats shown above)		
..... free fall launched lifeboat capable of accommodating	 persons	
<i>1</i> rescueboat on <i>SB</i> side capable of accommodating	<i>6</i> persons	
<i>2</i> liferafts for which approved launching devices are required capable of accommodating	<i>24</i> persons	} excluding any liferaft forward
..... liferafts for which approved launching devices are NOT required capable of accommodating	 persons	
..... liferaft stowed forward capable of accommodating	 persons	
<i>8</i> lifebuoys		
<i>10</i> life-jackets		
..... immersion suits		
..... thermal protective aids		

The information contained in this record is a correct description of the Safety Equipment on board.

Place: *Miami*
Date: *30 January 1991*



Surveyor(s)

The reference 1974/V/20 means SOLAS 1974, Chap. V, Reg. 20
The reference 1981/II-2/20 means 1981 Amendment, Chap. II-2, Reg. 20
The reference 1983/III/6 means 1983 Amendment, Chap. III, Reg. 6

NOTE: It will be sufficient to indicate the year in which the keel was laid or when the ship was at a similar stage of construction except for 1952, 1965, 1980, 1984 and 1986, in which cases the actual date should be given.

NV 3.86.1500



LRIT CONFORMANCE TEST REPORT

issued under the provisions of MSC.1/Circ.1307 on Guidance on the survey and certification of compliance of ships with the requirement to transmit LRIT information

Issued by Pole Star Space Applications Limited on behalf of the Government of the Republic of Panama

Panama Maritime Authority Merchant Marine Circular No MMC-195 and MMC-192

DORICK NAVIGATION S.A.

Name of ship:	BETTY K VI
Port of registry:	PANAMA
Distinctive number or letters:	HP5720
IMO Number:	8801216
Maritime Mobile Service Identity:	354543000
Gross tonnage:	1457
Sea areas in which the ship is certified to operate:	A1 + A2 + A3
Sea areas in which this report is valid:	A1 + A2 + A3
Application Service Provider conducted the test:	Pole Star Space Applications, 3rd Floor, The Studio Building, 21 Evesham St, London W11 4AJ, UK

THIS IS TO CERTIFY that the shipborne equipment designated to transmit LRIT information and specified below:

1. has been found to meet the requirement of the provision of regulations V/19-1.6 and V/19-1.7 and of the Revised performance standards and functional requirements for the long-range identification and tracking of ships adopted by resolution MSC.263(84) and:

- .1 Is of a type approved by the Administration in accordance with the provisions of regulation V/19-1; ☐
- .2 Is of a type approved by the Administration in accordance with the provisions of regulation IV/14; ☐
- .3 Has been certified by the Administration as meeting the requirements of IEC 60945 (2002-08) and IEC 60945 Corr.1 (2008-04) on Maritime navigation and radio communication equipment and systems – General requirements – Methods of testing and required test results; ☒
- .4 Has been certified by the Administration as meeting the requirements of provisions of regulation XI-2/6; and of resolution MSC 136(76) on Performance standards for a ship security alert system / resolution MSC.147(77) on adaption of the Revised performance standards for a ship security alert system; ☐

2. has undergone conformance testing in accordance with the procedures and provisions set out in MSC.1/Circ.1307, and has shown that it can operate within the tolerances of the acceptance criteria stated in the aforesaid circular.

The conformance test was satisfactorily completed on **August 16, 2025**

Make	Model	Serial Number	Shipborne Equipment Identifier
Furuno	Felcom 18	4507-4752	435454312

Issued at Panama, Republic of Panama on **August 20, 2025**

No. 88596

Valid Until **August 19, 2026**

H7UN-ZK84-X30T-NP5U



Digitally signed by [F] NOMBRE ABREGO URRIOLA LUIS GUILLERMO -
ID 8-845-1964

Reason: I attest to the accuracy and integrity of this document

Location: Panama, Panama

Date: 2025.08.20 14:14:11 -05'00'



INTERNATIONAL BALLAST WATER MANAGEMENT CERTIFICATE



Issued under the provisions of the International Convention for the Control and Management
of Ships Ballast Water and Sediments (hereinafter referred to as "the Convention")
under the authority of the Government of

BWMC-016770

THE REPUBLIC OF PANAMA

By The Merchant Marine General Directorate of the Panama Maritime Authority

Particulars of ship

Name of Ship	Call Sign	IMO Number	Port of Registry
BETTY K VI	HP5720	8801216	PANAMA

Gross Tonnage	Date of Construction	Ballast Water Capacity
1457.00	October 29, 1986	470.31 m3

Details of ballast water management method(s) used

Method of ballast water management used : UV + Filtration

Date installed (if applicable) : March 20, 2020

Name of manufacturer (if applicable) : Optimarin AS

The principal ballast water management method(s) employed on this ship is/are

- ☐ in accordance with regulation D-1
- ☒ in accordance with regulation D-2 (describe): Model: 167/87FX
- ☐ the ship is subject to regulation D-4
- ☐ other approach in accordance with regulation : N/A

THIS IS TO CERTIFY:

1. That the ship has been surveyed in accordance with regulation E-1 of the Annex to the Convention; and
2. That the survey shows that Ballast Water Management on the ship complies with the Annex to the Convention.

This certificate is valid until **April 21, 2028** subject to surveys in accordance with regulation E-1 of the Annex to the Convention.

Completion date of the survey on which this certificate is based: **April 21, 2023**

Issued : April 28, 2023 at

SEGUMAR - PANAMA

(Date of issue)

(Place of issue of certificate)



UTN:BWMC-016770


ENG. LUISA CHONG
TECHNICAL OFFICER



ENDORSEMENT FOR ANNUAL AND INTERMEDIATE SURVEY(S)

THIS IS TO CERTIFY that a survey required by regulation E-1 of the Annex to the Convention the ship was found to comply with the relevant provisions of the Convention:

Annual survey :

ISTHMUS BUREAU OF SHIPPING/ Alcides Arosemena
Signed



Miami, USA
Place

June 11, 2024
Date

Annual survey :

ISTHMUS BUREAU OF SHIPPING/ Alcides Arosemena
Signed



Nassau, Bahamas
Place

July 21, 2025
Date

Annual/Intermediate survey :

Signed

Place

Date

Annual survey :

Signed

Place

Date



U. S. Department of Homeland Security United States Coast Guard Certificate of Approval

Coast Guard Approval Number: 162.060/1/4

Expires: 21 October 2026

BALLAST WATER MANAGEMENT SYSTEM
Filtration/Ultraviolet

Optimarin AS
Sjoveien 34
4315 Sandnes NORWAY

Name of BWMS: Optimarin Ballast System (OBS)

Capacities: 72-3,000 m3/h (intake), 167-3,000 m3/h (discharge)

This is to certify that the above listed BWMS with the listed treatment capacities has been satisfactorily examined and tested by Independent Lab DNV in accordance with the requirements contained in 46 CFR 162.060. The system shall be installed and operated in accordance with the applicable Operation, Maintenance, and Safety Manual: Optimarin OBS OMSM, Rev. 7, dated September 21, 2021 for models BK3, BK3 Ex, BK4, FX2 or FX2 Ex.

Operational Limitations:

See Appendix

The OBS Ex models meet the requirements of 46 CFR 111.105 and may be installed in hazardous locations to which they are certified on U.S. flag vessels. The control panel, electric actuator power distribution panel, actuator control panel, interlock panel, Ex interlock panel, Ex interface panel, filter control cabinet, back flush cabinet, fresh water panel, Ex sensor box, and UV power cabinets must remain outside of hazardous locations. The OBS Ex models may be installed in hazardous locations to which they are certified on foreign flag vessels subject to approval of the foreign administration. The non-Ex OBS models may be installed on U.S. flag vessels outside of hazardous locations.

The BWMS must be marked in accordance with 46 CFR 162.060-22.

A copy of this Type Approval Certificate shall be carried on board a vessel fitted with the ballast water management system at all times.

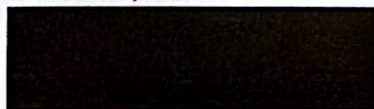
This certificate supersedes Approval number 162.060/1/3 dated October 21, 2021; update includes alternate filter.

*** End ***

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.



GIVEN UNDER MY HAND THIS 20th DAY OF
APRIL 2022, AT WASHINGTON D.C.



Chief, Engineering Division
BY DIRECTION OF THE COMMANDANT

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Ballast Water Management System

with type designation(s)
Optimarin Ballast System, Optimarin Ballast System Ex

Issued to

Optimarin AS
SANDNES, Norway

is found to comply with

Resolution MEPC.174(58)

DNV GL class programme DNVGL-CP-0209 – Type approval – Ballast water management systems

DNV GL rules for classification – Ships

Application :

This is to certify that the Ballast Water Management System listed above has been examined and tested in accordance with the requirements of the specifications contained in Guidelines contained in Resolution MEPC.174(58) and DNV GL Rules stated above. This Certificate is valid only for the Ballast Water Management System referred to above.

For compliance with Resolution MEPC.174(58), the Certificate is issued on behalf of the Norwegian Maritime Authority.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL, unless otherwise instructed by the relevant Maritime Administration.

Type:

Optimarin Ballast System
Optimarin Ballast System Ex

Operating media:

Issued at **Høvik** on **2019-11-11**

This Certificate is valid until **2020-10-28**.

DNV GL local station: **Stavanger**

Approval Engineer: **Ingrid Sigvaldsen**

for **DNV GL**

Digitally Signed By: **Sæle-Nilsen, Dag**

Location: **DNV GL Høvik, Norway**



Dag Sæle-Nilsen
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Form code: TA 251

Revision: 2016-12

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ClassIBS

ISTHMUS BUREAU OF SHIPPING



TID: 1523-0428-0742-2315

CERTIFICATE OF COMPLIANCE FOR THE CARRIAGE OF DANGEROUS GOODS

SPECIAL REQUIREMENTS FOR SHIPS CARRYING DANGEROUS GOODS

Issued in pursuance of the requirement of regulation II-2/19.4 of
the International Convention for the Safety of Life at Sea, 1974,
as amended, under the authority of the Government of

THE REPUBLIC OF PANAMA

by ISTHMUS BUREAU OF SHIPPING

CDG164

Approval No. 8397920230425

SHIP'S NAME:	BETTY K VI	GROSS TONNAGE:	1472
LENGTH (m):	58.30	IMO NUMBER:	8801216
TYPE OF SHIP & SERVICE:	OTHER CARGO SHIP / GENERAL CARGO	CALL SIGN:	HO-5720
PORT OF REGISTRY:	PANAMA	KEEL LAID:	29-Oct-1986

This is to certify:

1. That the construction and equipment of the above mentioned ship have been found to comply with the provisions of Regulation II-2 /19 of the International Convention for the Safety of Life at Sea, 1974, as amended; and
2. That the ship is suitable for the carriage of those classes of dangerous goods as specified in the appendix hereto, subject to any provisions in the International Maritime Dangerous Goods (IMDG) Code and the Code of Safe Practice for Solid Bulk Cargoes (BC) Code* for individual substances also being complied with.

This Document is valid until April 30th, 2028

Issued at Panama the 27th Date of April, 2023

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



This document is signed electronically in accordance with
IMO FAL 5/Circ.39/Rev.2. Validation can be obtained
from apps.classibs.org by using the TID, QR and URL.

Eng. Alcides Arosemena
Isthmus Bureau of Shipping

Note: There are no special requirements in the above-mentioned Regulation II-2/19 for the carriage of dangerous goods of classes 6.2 and 7, and for the carriage of dangerous goods in limited quantities, as required in chapter 3.4 of the IMDG Code and excepted quantities, as required in chapter 3.5 of the IMDG Code.

* Also refer to resolution MSC.268(85) on Adoption of the International Maritime Solid Bulk Cargoes (IMSBC) Code.

URL: <https://apps.classibs.org:8081/verification.php?imo=8801216&tid=1523042807422315>

Isthmus Bureau of Shipping (IBS), Williamson Place, IBS Building 0764, La Boca, Balboa, Panama, Rep. of Panama, Tels: + (507) 211 - 2122, Fax: + (507) 211 - 2273

Email: ibs@classibs.org, Web: www.classibs.org



For
"BOTTOM SURVEY & DRY-DOCKING REPORT"

Issued in pursuance of the requirement of Regulation I/7 & 10 of the International Convention for the Safety of Life at Sea, 1974 and the Res. A.1053(27), as amended; US Vessel General Permit, and ClassIBS Rules.

By ISTHMUS BUREAU OF SHIPPING

SOC BS No.: 066

Approval No. 8564720230825

SHIP'S NAME:	BETTY K VI	GROSS TONNAGE:	1472
IMO NUMBER:	8801216	PORT OF REGISTRY:	PANAMA
Ship Type & Service:	Other Cargo Ship / General Cargo	KEEL LAID:	29-Oct-1986

This is to certify:

1. That, as per Owner/Operator request, the above mentioned vessel has been inspected in accordance with the provisions of regulation I/ 7 & 10 of the International Convention for the Safety of Life at Sea, 1974, and the Survey Guidelines under the HSSC, 2011, as amended; and the dry docking inspection requirements by the United States National Pollutant Discharge Elimination System – VGP Paragraph 4.1.4; ClassIBS requirements and any other National Regulations related to, as applicable;
2. That the vessel's hull, sea-chests and strainers, propellers, shaft seals, rudders bearings, thruster gratings and other surfaces areas of the vessel have been inspected for attached living organisms and those organisms have been removed or neutralized; the chain locker has been cleaned and/or flushed to remove sediment and living organisms.
3. Any antifoulant hull coatings have been applied, maintained, and removed consistent with the FIFRA label if applicable; any exposed existing or any new coating does not contain biocides or toxics, and the vessel has a valid International AFS certificate¹.
4. For all cathodic protection, anodes or dialectic coatings have been cleaned and/or replaced to reduce flaking; and all pollution control equipment is properly functioning.
5. That according ClassIBS Rules, and the National & International Requirements, Bottom Survey of the vessel has been passed satisfactory.
6. This Certificate does not release the vessel from going to Dry Dock in case of casualties causing damages that will require the vessel to be dry docked.

Date & Place of Bottom Survey: 26 August 2023 at Talleres Navales del Golfo S.A., TNG Veracruz, Mex.

Issued at PANAMA on 27 August 2023



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Eng. Alcides Arosemena
Isthmus Bureau of Shipping (ClassIBS)

¹Delete as appropriate

URL: <https://apps.classibs.org:8081/verification.php?imo=8801216&tid=1523082807542785>

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ISTHMIAN BUREAU OF SHIPPING STATEMENT OF COMPLIANCE For



TID: 1521-0121-0845-4076

"BOTTOM SURVEY & DRY-DOCKING REPORT"

Issued in pursuance of the requirement of Regulation I/7 & 10 of the International Convention for the Safety of Life at Sea, 1974 and the Res. A.1053(27), as amended; US Vessel General Permit, and ClassIBS Rules.

By ISTHMIAN BUREAU OF SHIPPING

SOC BS No.: 041

Approval No. 7392120210125

SHIP'S NAME:	BETTY K VI	GROSS TONNAGE:	1472
IMO NUMBER:	8801216	PORT OF REGISTRY:	PANAMA
Ship Type & Service:	Other Cargo Ship / General Cargo	KEEL LAID:	29-Oct-1986

This is to certify:

1. That, as per Owner/Operator request, the above mentioned vessel has been inspected in accordance with the provisions of regulation I/7 & 10 of the International Convention for the Safety of Life at Sea, 1974, and the Survey Guidelines under the HSSC, 2011, as amended; and the dry docking inspection requirements by the United States National Pollutant Discharge Elimination System – VGP Paragraph 4.1.4; ClassIBS requirements and any other National Regulations related to, as applicable;
2. That the vessel's hull, sea-chests and strainers, propellers, shaft seals, rudders bearings, thruster gratings and other surfaces areas of the vessel have been inspected for attached living organisms and those organisms have been removed or neutralized; the chain locker has been cleaned and/or flushed to remove sediment and living organisms.
3. Any antifoulant hull coatings have been applied, maintained, and removed consistent with the FIFRA label if applicable; any exposed existing or any new coating does not contain biocides or toxics, and the vessel has a valid International AFS certificate¹.
4. For all cathodic protection, anodes or dialectic coatings have been cleaned and/or replaced to reduce flaking; and all pollution control equipment is properly functioning.
5. That according ClassIBS Rules, and the National & International Requirements, Bottom Survey of the vessel has been passed satisfactory.
6. This Certificate does not release the vessel from going to Dry Dock in case of casualties causing damages that will require the vessel to be dry docked.

Date & Place of Bottom Survey: 21 January 2021 at Gulf Marine Repair Shipyard, Tampa, FL, USA

Issued at PANAMA on 21 January 2021



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from apps.classibs.org by using the TID, QR and URL

Eng. Alcides Arosemena
Isthmian Bureau of Shipping (ClassIBS)

¹Delete as appropriate

URL: <https://apps.classibs.org:8081/verification.php?imo=8801216&tid=1521012108454076>

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Form BS-DD-05

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Date: January, 2020

Rev. 02

ClassIBS

ISTHMUS BUREAU OF SHIPPING STATEMENT OF COMPLIANCE For

"BOTTOM SURVEY & DRY-DOCKING REPORT"

Issued in pursuance of the requirement of Regulation I/7 & 10 of the International Convention for the Safety of Life at Sea, 1974 and the Res. A.1053(27), as amended; US Vessel General Permit, and ClassIBS Rules.

By ISTHMUS BUREAU OF SHIPPING

SOC 026

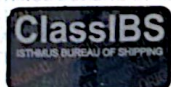
Approval No. 2518040019

SHIP'S NAME:	BETTY K VI	GROSS TONNAGE:	1472
IMO NUMBER:	8801216	PORT OF REGISTRY:	PANAMA
Ship Type & Service:	OTHER CARGO SHIP/GENERAL CARGO	KEEL LAID:	1986

This is to certify:

1. That, as per Owner/Operator request, the above mentioned vessel has been inspected in accordance with the provisions of regulation I/7 & 10 of the International Convention for the Safety of Life at Sea, 1974, and the Survey Guidelines under the HSSC, 2011, as amended; and the dry docking inspection requirements by the United States National Pollutant Discharge Elimination System - VGP Paragraph 4.1.4; ClassIBS requirements and any other National Regulations related to, as applicable;
2. That the vessel's hull, sea-chests and strainers, propellers, shaft seals, rudders bearings, thruster gratings and other surfaces areas of the vessel have been inspected for attached living organisms and those organisms have been removed or neutralized; the chain locker has been cleaned and/or flushed to remove sediment and living organisms.
3. Any antifoulant hull coatings have been applied, maintained, and removed consistent with the FIFRA label if applicable; any exposed existing or any new coating does not contain biocides or toxics, and the vessel has a valid International AFS certificate¹.
4. For all cathodic protection, anodes or dialectic coatings have been cleaned and/or replaced to reduce flaking; and all pollution control equipment is properly functioning.
5. That according ClassIBS Rules, and the National & International Requirements, Bottom Survey of the vessel has been passed satisfactory.
6. This Certificate does not release the vessel from going to Dry Dock in case of casualties causing damages that will require the vessel to be dry docked.
7. Date & Place of Bottom Survey: February 05th, 2018 at Astivik Shipyard, Cartagena-Colombia

Issued at Panama on February 08th, 2018



Eng. Alcides Arosemena

Isthmus Bureau of Shipping (ClassIBS)

¹Delete as appropriate

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Form BS-05

Page 1 of 2

Date: January, 2018

Rev. 04

ClassIBS

ISTHMUS BUREAU OF SHIPPING

ENDORSEMENT OF THE RECORDS¹

THIS IS TO CERTIFY that a survey required in accordance with Regulation 1(1)(b) of Annex 4 to the Convention found that the ship was in compliance with the Convention

AFS 2972

Approval No. 8564620230825

Name of ship:	Distinctive number or letters:	IMO Number:
BETTY K VI	HP-5720	8801216
Details of Anti-Fouling System(s) applied		
1. Type(s) of Anti-Fouling System(s) used: <u>TBT-free self-polishing antifouling paint type</u>		
2. Date(s) of application of Anti-Fouling System(s): <u>25 August 2023</u>		
3. Name(s) of Company(ies) and facility(ies)/location(s) where applied: <u>Hutchison Ports TNG / Veracruz, Mexico</u>		
4. Name(s) of anti-fouling system manufacturer(s): <u>HEMPEL A/S</u>		
5. Name(s) and colour(s) of anti-fouling system(s): <u>Hempel's Antifouling Olympic HI-76600, Colours 50300 (Light Red) and 51110 (Red)</u>		
6. Active Ingredient(s) and their Chemical Abstract Services Registry Number(s) (CAS number(s)): <u>Copper(1)oxide (CAS No. 1317-39-1)</u>		
7. Type(s) of sealer coat, if applicable: <u> </u>		
8. Name(s) and colour(s) of sealer coat applied, if applicable: <u> </u>		
9. Date of application of sealer coat: <u> </u>		

Issued at Veracruz, Mexico

Date²: 27 August 2023



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Misael Canales

Isthmus Bureau of Shipping (ClassIBS)

¹ This page of Record shall be reproduced and added to the Record as considered necessary by the Administration.

² Date of completion of the survey on which this endorsement is made.



ClassIBS

ISTHMI BUREAU OF SHIPPING

RECORD OF ANTI-FOULING SYSTEMS

This record shall be permanently attached to the International Anti-Fouling System Certificate

AFS2972

Approval No. 7392020210125

Name of ship:	Distinctive number or letters:	IMO Number:
BETTY K VI	HP-5720	8801216
Details of Anti-Fouling System(s) applied		
1. Type(s) of Anti-Fouling System(s) used: TBT-free self-polishing antifouling paint type		
2. Date(s) of application of Anti-Fouling System(s): 20 January 2021		
3. Name(s) of Company(ies) and facility(ies)/location(s) where applied: Gulf Marine Shipyard, Tampa Fl., USA		
4. Name(s) of anti-fouling system manufacturer(s): HEMPEL A/S		
5. Name(s) and colour(s) of anti-fouling system(s): Hempel's Antifouling Olympic HI-76600, Colours 50300 (Light Red) and 51110 (Red)		
6. Active ingredient(s) and their Chemical Abstract Services Registry Number(s) (CAS number(s)): Copper(1)oxide (CAS No. 1317-39-1)		
7. Type(s) of sealer coat, if applicable: _____		
8. Name(s) and colour(s) of sealer coat applied, if applicable: _____		
9. Date of application of sealer coat: _____		

THIS TO CERTIFY that this Record is correct in all respects

Issued at Panama the 21st day of January, 2021



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Eng. Alcides Arosemena
Isthmus Bureau of Shipping (ClassIBS)

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