



CERTIFICATE NUMBER  
EFFECTIVE DATE  
EXPIRY DATE  
ABS TECHNICAL OFFICE

22-2337239-PDA  
19-Dec-2022  
18-Dec-2027  
Houston ESD - Piping

## CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

**KOBELT MANUFACTURING CO. LTD.**

located at

**8238 129TH STREET, , SURREY, Canada, V3W 0A6**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

**Product:** Pump, Helm Hand for Steering Gear System  
**Model:** 7005 and 7012  
**Endorsements:**  
**Tier:** 3 - Type Approved, unit certification not required

This Product Design Assessment (PDA) Certificate remains valid until 18/Dec/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

*John Vincent Ulep*  
John Vincent Bog-Acon Ulep, Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

**KOBELT MANUFACTURING CO. LTD.**

8238 129TH STREET

SURREY B.C.

Canada V3W 0A6

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Web: www.kobelt.com

**Tier: 3 - Type Approved, unit certification not required**

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**Product:** Pump, Helm Hand for Steering Gear System

**Model:** 7005 and 7012

**Endorsements:**

**Intended Service:**

Marine Applications - Suitable for hydraulic pump for steering gear application on pleasure craft and small commercial vessels

**Description:**

Variable displacement, manually operated helm pumps for steering gear applications. These pumps are used as manual means of steering when the steering is out of action.

**Rating:**

69 bar (1000 psi) for Rudder torques upto 3 t-m., 2-6 cubic inches displacement per turn (7005), 4-12 cubic inches displacement per turn (7012).

**Service Restriction:**

Unit Certification is not required for this product. If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

**Comments:**

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

**Notes/Drawing/Documentation:**

Drawing No. 7005-Helm Pump 2-6 in<sup>3</sup>, Revision-J: -, Pages-1: -

Drawing No. 7012-AL, ASSY, HELM PUMP, VAR. DISP., 4-12 CU. IN., LONG SHAFT, BRONZE, Revision H-Page 1

Drawing No. 7012-AN, ASSY, HELM PUMP, VAR. DISP., 4-12 CU. IN., SHORT SHAFT, BRONZE, Revision B-Page 1

Drawing No. 7005 Helm Pump 2-6 GA Revision C- Pages-1: -

Drawing No. 7012-BL, ASSY, HELM PUMP, VAR. DISP., 4-12 CU. IN., LONG SHAFT, BLACK, Revision B-Page 1

Drawing No. 7012-BN, ASSY, HELM PUMP, VAR. DISP., 4-12 CU. IN., SHORT SHAFT, BLACK, Revision B-Page 1

**Terms of Validity:**

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**STANDARDS**

**ABS Rules:**

2022 Rules for Conditions of Classification 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:  
2022 Rules for Building and Classing Marine Vessel Rules: 4-3-4/9

2022 Guide for Building and Classing Yachts: 4-3-3/1, 4-3-3/7

**National:**

NA

**International:**

NA

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA