



CERTIFICATE NUMBER	23-2397345-PDA
EFFECTIVE DATE	06-Sep-2023
EXPIRY DATE	05-Sep-2028
ABS TECHNICAL OFFICE	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:** Electronic Engine Control System  
**Model:** 6525 CPU with Control Heads and Actuators, Rudder Feedback Units  
**Endorsements:**  
**Tier:** 5 - Unit Certification Required

This Product Design Assessment (PDA) Certificate remains valid until 05/Sep/2028 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 Bog-Acon Ulep, Senior Principal Engineer

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

Telephone: 604-572-3935

Fax: 604-590-8313

Email: ekaterinaw@kobelt.com

Web: www.kobelt.com

**Tier: 5 - Unit Certification Required**

---

**Product:** Electronic Engine Control System

**Model:** 6525 CPU with Control Heads and Actuators, Rudder Feedback Units

**Endorsements:**

**Intended Service:**

Marine & Offshore Application - Single or Multiple Engine Propulsion Installation

**Description:**

The Electronic Control System consists of the following components:

Central Processing Unit (CPU) Part # 6525,

Electric Clutch Relay Unit Part # 6533-K,

Control Heads Part #s 6501, 6504, 6505, 6508, 6515, 6605,

Actuator 6527,

Rudder Angle Indicator Part # 7175,

Rudder Feedback Unit Part # 7168,

Rudder Feedback Unit Part # 7163,

Rudder Feedback Unit Part # 7174,

Twin Engine Control Head, Part #6555,

Electronic Actuator with Spring, Part #6531

**Rating:**

Maximum Engine KW: 14,000

24 VDC Power Supply - 10 amps Maximum

Operating Temperature of CPU: 10 to 50°C

Components 6505, 6605 and 6515 Enclosure Rating: IP56

Maximum number of Control Stations: 8

**Service Restriction:**

1. Unit Certification is required for this product in case of Main Propulsion System. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
2. 6525 CPU enclosure is only suitable for installation in an indoor environment, not exposed to weather. Automatic power supply transfer is to be verified for each specific installation. Maximum configuration of six engines per CPU.
3. Automatic Power Supply transfer is to be verified for each specific installation. Maximum configuration of six Engines per CPU

**Comments:**

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

**Notes/Drawing/Documentation:**

Drawing No. -, DOC for Existing Parts, Revision: -, Pages: -

Drawing No. 6605, Control Head, Revision: -, Pages: -

Drawing No. 7163, Rudder Feedback Unit, Revision: -, Pages: -

Drawing No. 7174, Rudder Feedback Unit, Revision: -, Pages: -

Drawing No. 7175, Analog Indicator, Revision: -, Pages: -

**Terms of Validity:**

This Product Design Assessment (PDA) Certificate remains valid until 05/Sep/2028 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).

**KOBELT MANUFACTURING CO. LTD.**

8238 129TH STREET

SURREY B.C.

Canada V3W 0A6

Telephone: 604-572-3935

Fax: 604-590-8313

Email: ekaterinaw@kobelt.com

Web: www.kobelt.com

**Tier: 5 - Unit Certification Required**

---

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.

**STANDARDS**

**ABS Rules:**

2023 Rules for Conditions of Classification, 1-1-4/7.7, 1-1-A3,1-1-A4, which covers the following:  
2023 Rules for Building and Classing Marine Vessels: 4-9-9/15.7 Table 1, 4-9-9/15.7 Table 2

2023 Rules for Conditions of Classification, Part 1 - 2023 Offshore Units and Structures 1-1-4/7.7, 1-1-A2, 1-1-A3  
2023 Rules for Building and Classing Marine Offshore Units: 6-1-7/12.7

**National:**

NA

**International:**

NA

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA