



## Confirmation of Product Type Approval

**Company Name:** KOBELT MANUFACTURING CO. LTD.

**Address:** 8238 129TH STREET SURREY V3W 0A6 Canada

**Product:** Electronic Engine Control System

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

**Endorsements:**

<b>Certificate Type</b>	<b>Certificate Number</b>	<b>Issue Date</b>	<b>Expiry Date</b>
Product Design Assessment (PDA)	23-2397345-PDA	06-SEP-2023	05-SEP-2028
Manufacturing Assessment (MA)	23-5867853	06-JUN-2023	05-JUN-2028
Product Quality Assurance (PQA)	NA	NA	NA

### **Tier**

5 - Unit Certification Required

### **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

### **Ratings**

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 Restrictions**

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, Drawings and 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: -

### **Term 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).

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.

### **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

### **International Standards**

NA

**EU-MED Standards**

NA

**National Standards**

NA

**Government Standards**

NA

**Other Standards**

NA



Corporate ABS Programs  
American Bureau of Shipping  
Print Date and Time: 29-Aug-2024 11:39

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

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 prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.