



## *Confirmation of Product Type Approval*

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product. This certificate reflects the information on the product in the ABS Records as of the date and time the certificate is printed.

Pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 08-JUL-2023. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

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.

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.

**Product Name:** Electronic Engine Control System  
**Model Name(s):** 6525-A-B-C CPU with Control Heads and Actuators.

**Presented to:**  
KOBELT MANUFACTURING CO. LTD.  
8238 129TH STREET  
V3W 0A6  
Canada

<b>Intended Service:</b>	Marine & Offshore Application - Single or Multiple Engine Installation aboard Pleasure Craft and Commercial Vessels.
<b>Description:</b>	The Electronic Control System consists of the following components: Central Processing Unit (CPU) Part # 6525, Electric Clutch Relay Unit Part # 6533-K, Motor Monitoring Unit Part # 6525-M, Control Heads Part #s 6501, 6504, 6505, 6508, ,6515, Actuator 6527, DC Converter Part # 6536, Rudder Angle Indicator Part # 7175, Rudder Feedback Unit Part # 7168.
<b>Tier:</b>	5
<b>Ratings:</b>	24 VDC Power Supply - 10 amps Maximum; Operating Temperature of CPU: 10 to 50°C Components 6505 and 6515 Enclosure Rating: IP56 Maximum number of Control Stations: 6
<b>Service Restrictions:</b>	- 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. - 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.
<b>Comments:</b>	- The Manufacturer has provided a declaration about the control of, or the lack of

Asbestos in this product.

**Notes / Documentation:**

Supporting Data: Electronic Engine Controls (Model 6525) Installation Manual, dated 08/2006; Test Report No. 8614-1 Control Heads IP Rating (Model 6505, 6506, 6509, 6515, 6505-2000), dated 28 August 2006, 14 shts; \* Brochure 5M 05/10, Kobelt Electronic Controls, Detailed Product Lines, 36 Pages; \* Brochure Model 6525 CPU Digital Central Processor, dated 08/06; \* Brochure Model 6501, Illuminated Electronic Control Head, 3 shts, dated 01 & 03/2006; \* Brochure Model 6504, Control Head, 3 shts, dated 12/06; \* Brochure Model 6505, Electronic Control Head, 3 shts, dated 12/12; \* Brochure Model 6508, Illuminated Electronic Control Head, 3 shts, dated 01/2013; \* Brochure Model 6515, Triple Engine Control Head, dated 08/04 & 02/05, 2 shts; \* Brochure Model 6527, Electronic Actuator, 2 shts, dated 04/13; \* Brochure Model 7175, Rudder Angle Indicator, dated 05/08, 2 shts; \* Brochure Model 7168, Rudder Angle Feedback Unit, dated 09/04, 2 shts;

**Term of Validity:**

This Product Design Assessment (PDA) Certificate 18-HS1751301-PDA, dated 09/Jul/2018 remains valid until 08/Jul/2023 or until the Rules or specifications used in the assessment are revised (whichever occurs first). This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product. Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA. Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

**ABS Rules:**

Rules for Conditions of Classification, Part 1 - 2018 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following: 2018 Steel Vessels Rules 4-9-8/Table 1, 4-9-8/Table 2;

- National Standards:**
- International Standards:**
- Government Authority:**
- EUMED:**
- Others:**

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	18-HS1751301-PDA	09-JUL-2018	08-JUL-2023

ABS Programs

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 was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. 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.