



## Confirmation of Product Type Approval

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

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

**Product:** Electronic Engine Control Module

**Model(s):** Steering Control Equipment: 7170, 7171 7181, 7195, 7196, 7197, 7198, 6511-AP8, 6511-APS10 & 6511-HL, 7173-KAS & 7173-TX-SPEC, 7175, 7178, 7180 Engine Control Equipment: 6570, 6570S, 6657, 6652, 6511-APE10, 6511-TP

### Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	20-2067473-PDA	30-DEC-2020	29-DEC-2025
Manufacturing Assessment (MA)	18-VA3490578	08-MAY-2018	14-MAY-2023
Product Quality Assurance (PQA)	NA	NA	NA

### Tier

3 - Type Approved, unit certification not required

### Intended Service

Steering and Engine Control in Marine & Offshore Application

### Description

Electronic Steering & Engine Control Equipment

### Ratings

24 VDC

Model Application Drawing no.

7170 Jog Lever 7170\_Ga Rev. A

7171 Full Follow Up Control Lever C-7171 Rev. A

7181 Full Follow Up Control 240° C-7181 Rev. B

7195 Stacked Full Follow Up Lever D-7195 Rev. C

7196 Two Speed C-7196 Rev. F

7197 Single FFU/Jog Lever Combination D-7197 Rev. C

7198 Dual FFU/Jog Lever Combination D-7198D Rev. -

7173-KAS Full Follow Up Amplifier Unit 7173 TDS KAS Rev. -  
7173-KAS Wiring Diagram B-401270 Rev. B  
7173-TX-SPEC Electronic Transfer Unit 7173-TX-SPEC Rev. -  
6511-AP8 Steering Gear Alarm Panel C-6511-AP8-S Rev. B  
6511-HL Hydraulic Lock Interface Unit 6511-HL Rev. -  
7175 Rudder and Pitch Angle Indicators 7175/7180 Rev. -  
7178 Rudder Angle Indicator 7178 Rev. -  
7180 Rudder Angle Indicator 7175/7180 Rev. -  
7175 Rudder and Pitch Angle Indicators 7175 7175-M\_GA Rev. A  
7175-S\_GA Rev. A  
6570 Electronic Control Head (6525) H-6570 Rev. -  
6570S Electronic Control Head (MM) H-6570S Rev. -  
6657 Electronic Control Head C-6657 Rev. B  
6652 Electronic Control Head D-6652 Rev. B  
6652 6652 Connection Diagram B-402077 Rev. A  
6511-APE10 Engine Monitoring Alarm Panel C-6511-APE10\_GA Rev. A  
6511-APS10 Steering Gear Alarm Panel 6511-APS10\_GA Rev. A  
6511-TP Telegraph Panel C-6511-TP Rev. -

**Service Restrictions**

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**

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. Tests and approval for hardware only. Each particular application/configuration is to be specifically approved.
3. For Category II or III Computer Based Systems (Programmable Electronic Systems) in accordance with 4-9-3/7.1 and 4-9-3/Table 1 of the ABS Marine Vessel Rules, the requirements in 4-9-3/9.3.4 and 4-9-3/Table 2 of the ABS Marine Vessel Rules are applicable.

**Notes, Drawings and Documentation**

Certificate No. 18-VA3490578-A, MA Cert 18-VA3490578-A (2018-2023)\_2020 endorsement

Declaration of Conformity - Table to summarize the design changes on the products listed on the PDA

Drawing No. 6511-AP8-S revB, Steering Alarm Panel (8 point), Revision: B

Drawing No. 6511-APE10\_GA\_revA, Alarm Panel - Engine; 10 Point, Revision: A  
Drawing No. 6511-HL dwg, Hydraulic Lock Interface Unit, Revision: -  
Drawing No. 6511-TP dwg, Telegraph Panel, Revision: -1  
Drawing No. 6570S\_dwg, Electronic Control Head (Mighty Mariner), Revision: -  
Drawing No. 6570\_dwg, Electronic Control Head (6525), Revision: -  
Drawing No. 6652\_dwgs, Electronic Control Head, Revision: B  
Drawing No. 6657 dwg, Electronic Control Head, Revision: B  
Drawing No. 7170\_GA\_revA, Jog Lever, Single Speed, Revision: A  
Drawing No. 7171\_REV A, Full Follow-Up Control Lever, Revision: A  
Drawing No. 7173-KAS product dwg, Full Follow-Up Amplifier Unit, Revision: -  
Drawing No. 7173-KAS wiring dwg, 7173-KAS Full Follow-Up Amplifier Detailed Wiring Diagram, Revision: B  
Drawing No. 7173-TX-SPEC\_dwg, Electronic Transfer Unit, Revision: -  
Drawing No. 7175-MZ\_GA\_revB, Panel Meter, Voltage Input, Master, Revision: B  
Drawing No. 7175-SZ\_GA\_revB, Panel Meter, Voltage Input, Slave, Revision: B  
Drawing No. 7178\_dwg, Panoramic Rudder Angle Indicator, Revision: -  
Drawing No. 7180\_Drawing\_rev0, Rudder Angle Indicator 7180, Revision: -  
Drawing No. 7181\_revB, FFU Control 240° (With Switches), Revision: B  
Drawing No. 7195\_revC, Stacked FFU Lever (For Push Boat), Revision: C  
Drawing No. 7196\_revF, Jog Lever, Dual Speed, Revision: F  
Drawing No. 7197\_revC, Single FFU/Jog Lever Combination with Rudder Angle Indicator, Revision: C  
Drawing No. 7198\_dwg, Dual FFU/Jog Lever Combination, Revision: -

**Term of Validity**

This Product Design Assessment (PDA) Certificate remains valid until 29/Dec/2025 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**

The Rules for Conditions of Classification, 2020 Marine Vessel Rules 1-1-4/7.7, 1-1-A3,1-1-A4, which covers the following:

2020 Rules for Building and Classing Marine Vessels: 4-8-3/1.11, 4-8-3/Table 2, 4-9-9/Table 1 & Table 2

The Rules for Conditions of Classification, Offshore Units and Structures, 2020 Mobile Offshore Units

1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2020 Rules for Building and Classing Mobile Offshore Units: 4-3-1/15, 4-3-1/17.1

**International Standards**

NA

**EU-MED Standards**

NA

**National Standards**

NA

**Government Standards**

NA

**Other Standards**

NA



A handwritten signature in blue ink, appearing to read 'Joseph W. ...', is positioned above the printed name and title.

Corporate ABS Programs  
American Bureau of Shipping  
Print Date and Time: 25-Jan-2021 12:56

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.