



Certificate No.

03-002032/031721

TYPE APPROVAL CERTIFICATE

This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

MARINE PROPULSION ENGINE REMOTE CONTROL SYSTEM

THE MIGHTY MARINER

MANUFACTURER:

**Kobelt Manufacturing Co. Ltd.
8238-129th Street
Surrey, B.C. V3W 0A6
C A N A D A**

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

**Croatian Register of Shipping: Rules for the classification of ships,
Part 9. – Machinery, Part 13. – Automation**

IACS UR E10

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

APPROVAL IS VALID UNTIL: **2028-04-04**

Place and date: **Split, 2024-03-28**

Seal

Marinko Popović, dipl.ing.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

DETAILED PRODUCT DESCRIPTION:

Propulsion control system provides single lever control of Speed and Shift consists of:

- Control heads 6501S, 6505S, 6506, 6570,
- Actuator 6527-S,
- Electronic Control Interface Unit 6503,
- Remote Selector Panel 6505-2000,
- Proximity Sensor 6500-SK.

APPLICATION / LIMITATIONS:

Pleasure crafts and smaller commercial vessels up to 90m in length with dual propulsion.

Approval also valid for ships to be granted with class notations: AUT 1, AUT 2 and AUT 3.

TYPE APPROVAL DOCUMENTATION:

- Kobelt – General Information-Catalogue 08/2010-5M 05/10,
- Kobelt – Installation Instructions, 2007-12,
- Labtest Certification Inc. – Environmental Test Report 8422-1, dated 2006-06-30,
- Labtest Certification Inc. – EMC Test Report 2004076, dated 2004-11-16,
- Labtest Certification Inc. – Dry Heat & Low Temperature Test Report 8618-1, dated 2006-05-29,
- Labtest Certification Inc. – Dry Heat & Low Temperature Test Report 8676-1, dated 2006-09-07,
- Kobelt – 6503/6527S FMEA & Troubleshooting,
- Labtest Certification Inc. – Environmental Test Report 9669-1S, dated 2010-08-23,
- Labtest Certification Inc. – EMC Test Report 9669-2E, dated 2010-04-20,
- QAI Laboratories Ltd. – Environmental Test Report E10996-2105, dated 2022-03-14,
- Labtest Certification Inc. – Environmental Test Report 30.00.21010-1, dated 2022-04-18,
- Labtest Certification Inc. – Environmental Test Report 30.00.21114-1, dated 2022-09-29,
- QAI Laboratories Ltd. – EMC Test Report E10996-2302, dated 2023-08-23,
- QAI Laboratories Ltd. – EMC Test Report E10996-2202, dated 2023-10-19.

MARKING OF PRODUCT:

In accordance with IEC60945 – Marking and identification (The Manufacturer and Type Designation of the product, serial number, date of manufacture, safe distance to magnetic compass, supply voltage, software version, ...).

CONDITIONS FOR CERTIFICATION:

Correct configuration and set up for each delivery to be tested during commissioning, after installation, under the supervision of a Society Surveyor.

All changes in software are to be recorded as long as the system is in use on board. The records of all changes are to be forwarded to CRS for evaluation and approval before being installed.

NOTE:

The control for propulsion engine, with single engine application, is acceptable in combination with an additional back-up approved means for independent operation.