



Certificate No. 03-002164/031867

## 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:

### ELECTRONIC VESSEL CONTROL SYSTEM – EVC 2.0

PCU	Powertrain Control Unit	LCM	Local Control Module	TGW3	Telematic Gateway
HCU	Helm Control Unit	GCM	Gear Control Module		Joystick
SUS	Steering Unit Servo	PCM	Powertrain Control Module		Alarm Display 7"
HLU	Helm Lever Unit	PFM	Power Feed Module		Steering Gear Display 7"
AKI	Analog Key Interface	SDM	Shutdown Module		Info Display 2,5"
EKS	Electronic Key System	VMM	Vessel Main Module		EVC Color Display 7"
IRS	Independent Rudder System	IGW	Information Gateway		8" Type Approved Display Pres-Series Hatteland
SU	Steering Hub Control Unit				

MANUFACTURER:

**AB Volvo Penta**  
**SE 405 08 Göteborg**  
**SWEDEN**

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: **2029-07-06**

Place and date: **Split, 2025-09-22** 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:**

Electronic Vessel Control System EVC 2.0 (EVC2) with electronic steering is a complete vessel control and monitoring system for engine and transmission.

EVC2.0 system components:

Item	HW Part Number	SW Part Number
PCU		
Powertrain Control Unit (PCU)	24499612	24830174
HCU		
Helm Control Unit (HCU) Stand alone, Twin	24612313	24830173
	23002230	24724894
HLU – Control Levers		
Control Lever (HLU) Heavy duty control - Twin, INB/IPS/IS	24810095	
Control Lever (HLU) Heavy duty control - Twin, INB/IPS	24810114	
Joystick		
Joystick deluxe IPS (Heavy Duty)	24811362	
Joystick deluxe INB (Heavy Duty)	24811402	
EKS		
Electronic Key System, Twin (EKS)(IP67)	24268398	
Electronic Key System, Single (EKS)(IP67)	24267886	
Analog Key Interface (AKI)	21656937	
SUS		
Servo Unit Steering (SUS20)	24705969	24920703
Servo Unit Steering (SUS10)	24074622	24920704
Steering Wheel Hub		
Steering Wheel Hub Control Unit, Twin	23362099	
VMM		
Vessel Main Module (VMM)	24499614	24830176
Display		
EVC Color Display 7" (IP67)	24252970	
Alarm Display 7" (AD) (IP67)	24242941	
Steering Gear Display 7" (SG)(IP67)	23874099	
Info Display 2,5"	22480957	
Misc		
Generic Button Panel	22480958	
Information Gateway (IGW)	24279592	
Independent Rudder Angle Sensor (IRS)	24119784	
Power Feed Module (PFM)	21379671	
Autopilot Gateway (APG)	24558452	
IRS Display 3,5" XDi96	24164109	
A-CAN interface	23834745	
Telematic Gateway (TGW3)	24597246 (TGW EU+)	24913991
	24597241 (TGW US)	24914095
Baud Rate Converter (BRC)	24950842	N/A

EVC2.0 IPS40 system components:

Item	HW Part Number	SW Part Number
PCU		
Powertrain Control Unit (PCU)	24499612	24830174
HCU		
Helm Control Unit (HCU) Stand alone, Twin	24612313	24830173
HLU – Control Levers		
Control Lever (HLU) Heavy duty control - Twin, IB/IPS	24810114	
SUS		
Servo Unit Steering (SUS20)	24705969	24932263
Servo Unit Steering Secondary (SUS20) (SUS s)	24705969	24932264
VMM		
Vessel Main Module (VMM)	24499614	24830176
PCM		
Powertrain Control Module (PCM)	23851834	24905046
LCM		
Local Control Module (LCM)	24330009	24925373
GCM		
Gear control Module (GCM)	24344797	24925371
Display		
8" Type Approved Display Pres-Series Hatteland (Display Bridge)	HD 08T30 MMC / 24666165	24918464
8" Type Approved Display Pres-Series Hatteland (Local Control)	HD 08T30 MMC / 24666165	24918464
Misc		
Independent Rudder Angle Sensor (IRS)	24067041	
IRS display 3,5" XD196 (Deif)	24164109	

**APPLICATION / LIMITATIONS:**

System is applicable to the following engine range – **D8/D11/D13/D16**  
Approved installation type is IPS or inboard in twin, triple or quad engine configuration.

**TYPE APPROVAL DOCUMENTATION:**

*Approved by the Croatian Register of Shipping with letter No.:*

- 1386/TSE/NP/031494 dated 2021-07-06
- 193/TSE/NP/031642 dated 2023-01-26
- 2619/TSE/NP/031779 dated 2024-10-04
- 2499/TSE/NP/031867 dated 2025-09-22

**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 hardware or 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.