



Certificate No. 02-005274/026919

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:

DIESEL ENGINE,
type
C32 & C32B

MANUFACTURER:

CATERPILLAR INC.
560 Rehoboth Road
Griffin, GA 30224
USA

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

CRS: Rules for the classification of ships, Part 9. - Machines.

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

APPROVAL IS VALID UNTIL: **2030-01-16**

Place and date: **Split, 2026-01-16**

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:

Number of cylinders	12
Cylinder arrangement	Vee (V-angle 65°)
Working cycle	4- stroke
Cylinder bore (mm)	145
Stroke (mm)	162
Kind of fuel	Liquid
Fuel system	Electronically controled, direct injection with unit injector
Valve operation	Cam control
Turbocharging system	Single-stage wih charge air cooling

APPLICATION / LIMITATIONS:

Application: Propulsion engine

Designation	C32	C32	C32	C32	C32	C32B	C32B
Rated power (kW)	708	970	1044	1288	1417*	1268	1790*
Rated speed (rpm)	1600	1800	2100	2300	2300	2100	2300
Mean effective pressure (bar)	16,5	20,1	18,6	20,9	23,0	22,6	29,1

* Intermittent Rating. Reference is made to Manufacturer marine rating classification.

Application: Auxiliary and emergency

Rated power (kW)	1053	1210
Rated speed (rpm)	1500	1800
Mean effective pressure (bar)	26,2	25,1

Lower ratings than this stated is accepted as long as they are within the values approved by engine designer.

TYPE APPROVAL DOCUMENTATION:

Approved by the Croatian Register of Shipping with letter No.(dated):

559/TSv/NV/021973 (2006-03-24)
 472/TS/IA/022897 (2010-03-15)
 1056/TSEv/KF/025132 (2021-05-28)
 805/TSEv/KF/026596 (2025-04-02)
 86/TSEv/KF/026919 (2026-01-20)

MARKING OF PRODUCT:

- manufacturer's mark
- location and year of final fitting
- CRS mark

CONDITIONS FOR CERTIFICATION:

Signalization and protection related to the engine shall be subject to CRS approval in each particular case and will depend on service applied and the degree of automation of the engine plant.