



Certificate No. 02-005289/026944

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
C18

MANUFACTURER:

CATERPILLAR INC.
560 Rehoboth Road
Griffin, GA 30224
USA

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

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: **2030-04-18**

Place and date: Split, 2026-04-18

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	6
Cylinder arrangement	In-line
Working cycle	4- stroke
Cylinder bore (mm)	145
Stroke (mm)	183
Kind of fuel	Liquid
Fuel system	Electronically controlled, direct injection with unit injector
Valve operation	Cam control
Turbocharging system	Single-stage with charge air cooling

APPLICATION / LIMITATIONS:

Application: Propulsion engine

Rated power (kW)	597	533	651	746
Rated speed (rpm)	1800	2100	2200	2300
Mean effective pressure (bar)	22	16,8	19,6	22,1

Application: Auxiliary and emergency

Rated power (kW)	492	601
Rated speed (rpm)	1500	1800
Mean effective pressure (bar)	21,7	22,1

Lower ratings than these stated are acceptable 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):

731/TSv/NV-675/022056/IDB	(2006-04-18)
525/TS/IA/022902	(2010-03-22)

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.