

TYPE APPROVAL CERTIFICATE

Certificate No:
TAM000016C**This is to certify:****That the Diesel Engine**with type designation(s)
WP4, WP6

Issued to

Weichai Power Co., Ltd.
Shandong Province Weifang, China

is found to comply with

DNV GL Rules for classification, Ships - DNVGL-RU-SHIP-Pt4 Ch3 Sec1
Reciprocating Internal Combustion Engines**Application :**

mechanical propulsion, multi engine plant / auxiliary / emergency

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **8th October, 2025**.Issued at **Hamburg** on **9th October, 2020**DNV GL local station: **Dalian**for **DNV GL**Approval Engineer: **Sven Neddenien**

Olaf Drews
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Product description

four stroke, in-line engine, non-reversible, trunk-piston, with supercharging, with charge air cooling, pulsating pressure charging system, direct injection, injection operation by cams, valve operation by cams, liquid fuel

Cylinder bore [mm]	105
Piston stroke [mm]	130
No. of cylinders	4, 6

Additional place of production

not applicable

Application/Limitation

Rated power [kW/cyl.]	28	23
Rated speed [rpm]	2425	1500
Mean effective pressure [bar]	12.32	16.36
Max. firing pressure [bar]	135	135

Type Approval documentation

Tests carried out

Documentation:

Test report title	Test Report of Type Test Certification for WP6C250-25 & WP6CD158E201 Diesel Engine
Place of test	D10# & A09# test cell at the lab of Weichai Power
Date of test	2013-10-14 until 2013-10-18

Test engine:

Model	WP6C250-25 & WP6CD158E201
Serial no.	6P13J006681 & 6P13J006683
No. of cylinders	6
Power [kW/cyl.]	168
Speed [rpm]	2425

Marking of product

The product to be marked with manufacturer's name or trademark and type number identification.

Periodical assessment

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

The objective of the Periodical Assessment is to verify that the conditions for the Type Approval are not altered since the Type Approval certificate was issued.

In case where the Type Approved product is manufactured at other companies, the Periodical Assessment shall verify that the Type Approval applicant has a quality control system for consistent production at their licensees/subcontractors. Furthermore Periodical Assessment shall be carried out randomly at these companies.

Job Id: **262.1-034304-1**
Certificate No: **TAM000016C**

Other Conditions

The following turbochargers are approved as part of the engine:

- J80S for engine model WP6
- J60S for engine model WP4

Engine safety, control and monitoring systems, including sensors, cables and actuators are not covered by this type approval certificate. Documentation for engine safety, control including speed governing and monitoring systems shall be submitted for approval according to DNV GL Rule Pt.4 Ch.9 Sec.1.

END OF CERTIFICATE