DNV·GL

TYPE APPROVAL CERTIFICATE

Certificate No:
TAM000011D

This is to certify:

That the Diesel Engine

with type designation(s)
WP10, WD10

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 :

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 **2nd January, 2024**.

Issued at **Hamburg** on **3rd January, 2019**
DNV GL local station: **Dalian** for **DNV GL**

Approval Engineer: **Sven Neddenien**

Burkhard Lilienthal
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.

Job Id: **262.1-008350-4**
Certificate No: **TAM000011D**

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]	126
Piston stroke [mm]	130
No. of cylinders	6

Additional place of production
not applicable

Application/Limitation

Rated power [kW/cyl.]	40	40
Rated speed [rpm]	1500	2100
Mean effective pressure [bar]	19.7	14.1
Max. firing pressure [bar]	135	135
Definition	WP10	WD10

Type Approval documentation

Tests carried out
2010-01-20, test report no. 615-XB-0124
2014, May, test report no. P10-SG-0050, model WP10CD264E200

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.

Other Conditions
Engine safety, control and monitoring systems, including sensors and actuators, are not covered by this certificate. Documentation for engine safety, control (including speed governing), and monitoring systems shall be submitted for approval according to DNV GL Rules Ships Pt.4 Ch.9 Sec.1 Table 5 and/or as listed in relevant Type Approval certificates.
Electric cables and installation are not covered by this Type Approval and must be verified to comply with the requirement of DNVGL RU-SHIP Pt.4 Ch.8.

END OF CERTIFICATE