

TYPE APPROVAL CERTIFICATE

Certificate No:
TAM00000UA**This is to certify:****That the Diesel Engine**with type designation(s)
6DE(M)-18(L)

Issued to

Anqing CSSC Diesel Engine Co., Ltd.
110 Anqing City, China

is found to comply with

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

propulsion / auxiliary

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

This Certificate is valid until **28th February, 2023**.Issued at **Hamburg** on **1st March, 2018**DNV GL local station: **Wuhan**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: **262.1-028025-1**
Certificate No: **TAM00000UA**

Product description

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

Cylinder bore [mm]	185
Piston stroke [mm]	280
No. of cylinders	6

Additional place of production

not applicable

Application/Limitation

Rated power [kW/cyl.]	116.7	116.7	143.3
Rated speed [rpm]	720	750	900
Mean effective pressure [bar]	25.8	24.8	25.4
Max. firing pressure [bar]	200	200	200

Type Approval documentation

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.

END OF CERTIFICATE