

**MPC
59**

(July 2004)
(Rev.1
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**Technical Code on Control of Emission of
Nitrogen Oxides from Marine Diesel Engines**

(NO_x Technical Code 2008, Chapter 4, Paragraphs 4.4.6.2 and 4.4.6.3)

Paragraph 4.4.6.2

Paragraph 4.4.6.3

Paragraph 4.4.6.2, Chapter 4 of the NO_x Technical Code (NTC) 2008 reads:

4.4.6.2 The following parameters and specifications shall be common to engines within an Engine Group:

.1 bore and stroke dimensions,

*.2 method and design features of pressure charging and exhaust gas system,
- constant pressure
- pulsating system*

*.3 method of charge air cooling system,
- with/without charge air cooler*

.4 design features of the combustion chamber that effect NO_x emission,

.5 design features of the fuel injection system, plunger and injection cam or gas valve which may profile basic characteristics that effect NO_x emission, and

.6 rated power at rated speed. The permitted range of engine power (kW/cylinder) and/or rated speed are to be declared by the manufacturer and approved by the Administration.

Paragraph 4.4.6.3, Chapter 4 of the NO_x Technical Code (NTC) 2008 reads:

4.4.6.3 Generally, if the criteria required by 4.4.6.2 are not common to all engines within a prospective Engine Group, then those engines may not be considered as an Engine Group. However, an Engine Group may be accepted if only one of those criteria is not common for all of the engines within a prospective Engine Group.

Interpretation

For application of these sections it shall be interpreted that rated power at rated speed is one parameter. Derating and uprating, in terms of power per cylinder and rated speed, outside the approved power or speed ranges shall be interpreted as deviations according to chapter 4.4.6.3.

Note:

1. This UI is to be uniformly implemented by IACS Societies from 19 May 2005.
2. Rev 1 of this Unified Interpretation is to be uniformly implemented by IACS Societies from 1 July 2020.

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