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**MPC 57** (July 2004) **Resolution 2 of the 1997 MARPOL Conference  
Technical Code on Control of Emission of  
Nitrogen Oxides from Marine Diesel Engines**

**Chapter 4.3.9.2**

Chapter 4.3 Application of the engine family concept

Chapter 4.3.9 *Guidelines for selecting the parent engine of an engine family*

Chapter 4.3.9.2 reads as follows:

The following criteria for selecting the parent engine for NO<sub>x</sub> emission control shall be considered, but the selection process must take into account the combination of basic characteristics in the engine specification:

- .1 main selection criteria
  - higher fuel delivery rate
- .2 supplementary selection criteria
  - higher mean effective pressure
  - higher maximum cylinder peak pressure
  - higher charge air/ignition pressure ratio
  - $dp/d\alpha$ , the lower slope of the combustion curve
  - higher charge air pressure
  - higher charge air temperature

Interpretation:

For application of this section the term “main selection criteria” shall be interpreted as a possible selection criterion if no knowledge about the emission behavior of an Engine Family or Engine Group is available. In all cases the final selection criteria for the Parent Engine is the highest resulting average weighted NO<sub>x</sub> emission, at the applicable test cycle, according to section 4.3.9.1.

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Note:

This UI is to be uniformly implemented by IACS Societies from 19 May 2005.

