

STX HI-Hitz's HP SCR is the ONLY maker with 'Proven Technology', meaning 11,000+ Hours in operation / MDT's official approval; therefore, we are about three (3) years ahead (it takes 3,000 hours' operation for the official cert.), we can provide corresponding technical service based upon its operational experience.

Pre-confirmation on Testbed



MV Santa Vista



Form 130

NIPPON KAIJI KYOKAI
STATEMENT OF FACT

No. KB11MM00201 Date: 1 November 2011

Engine Manufacture	Model Number	Serial Number	Test Cycle(s)	Rated Power (kW) and Speed (RPM)	NOx Reducing Device
Hitachi Zosen Corporation	6E40MC C7	4506	ES	6780 kW 111 RPM	Selective Catalytic Reduction fitted


THIS IS TO CERTIFY:

- That, at the request of Hitachi Zosen Corporation, Japan, NOx measurement for the above mentioned marine diesel engine fitted with Selective Catalytic Reduction (SCR) was surveyed in accordance with Chapter 5 of NOx Technical Code 2009 at Hitachi Zosen Corporation, Japan, on 26 April 2011; and
- That the NOx measurement result shows the following value less than the NOx Tier III emission limit of 3.4 g/kWh specified in paragraph 5.1, Regulation 13, MARPOL ANNEX VI,
NOx emission value: 2.2 (g/kWh)

Specification of the above-mentioned marine diesel engine fitted with SCR is as per the document "Technical File for NOx Certification", Drawing No. E3036111, examined on 1 November 2011.

Remarks:
The following items are outside the scope of this certification.

- Apex deterioration of SCR performance.
- SCR bypass operations when the engine is under heating operation, low load operation, and transient speed change operation.


 T. Nakamura
 General Manager
 Machinery Department
 NIPPON KAIJI KYOKAI

This Report is issued subject to the condition that it is understood and agreed that neither the Society nor any of its Committees is under any circumstances whatsoever to be held responsible for any inaccuracies in this report or certificate issued by this Society or its Secretaries or in any copy in the Record or other publication of the Society or for any errors of judgment. Actual measurements are taken at the discretion of the Society.

97.11.1000 (J)

NK Statement of Fact (Nov, 2011)



MAN Diesel & Turbo

Certificate of Approval

This is to certify that

Hitachi Zosen Corporation
7-89, Nankokita, 1-chome, Suminoe-ku, Osaka, 556-8559, Japan

is approved by MAN Diesel & Turbo for the manufacture and supply of:

High Pressure Selective Catalytic Reduction (SCR) Systems for IMO NOx Tier III

Under the control of and quality management by:

Hitachi Zosen Corporation
1, Ariake, Nagasu-Machi, Tamana-Gun, Kumamoto, 869-0113, Japan

for MAN Diesel & Turbo two-stroke diesel engines in accordance with the Terms and Conditions stated in the agreement between Hitachi Zosen Corporation and MAN Diesel & Turbo.

issued on 2014-10-09 expires on 2019-10-09

Certificate no.: 2700-2014-419.0

MAN Diesel & Turbo


 Kenneth Tolberg


 Niels Klemtrup

MDT Approval (Sep, 2014)