# On-Board SCR test using middle speed engine

**JAPAN** 

#### **On-board SCR Ship**

Owner : Mihara Steamship Co.,Ltd

Operator: Nippon Steel Logistics Co.,Ltd.

Shipyard: Sanwa Dock Co., Ltd.

• Engine Type :6M34AT

Engine Power :1491kW

Engine Speed: 300min<sup>-1</sup>

• Length(m) :86.25

• Width(m) :13.00

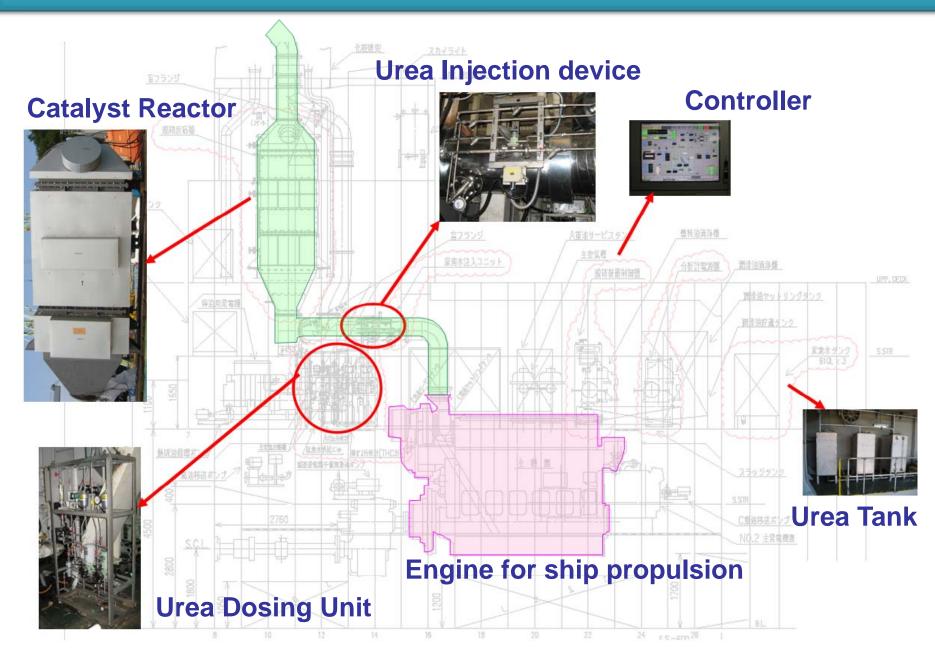
• Depth(m) :7.8

• G/T :748

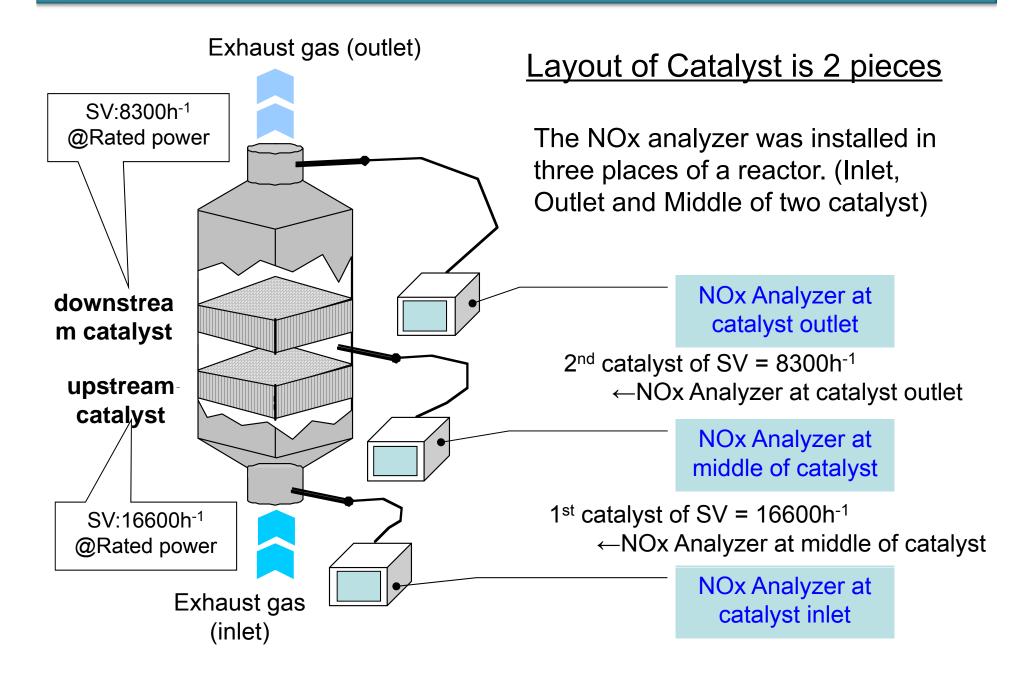


The coaster which carries cargo

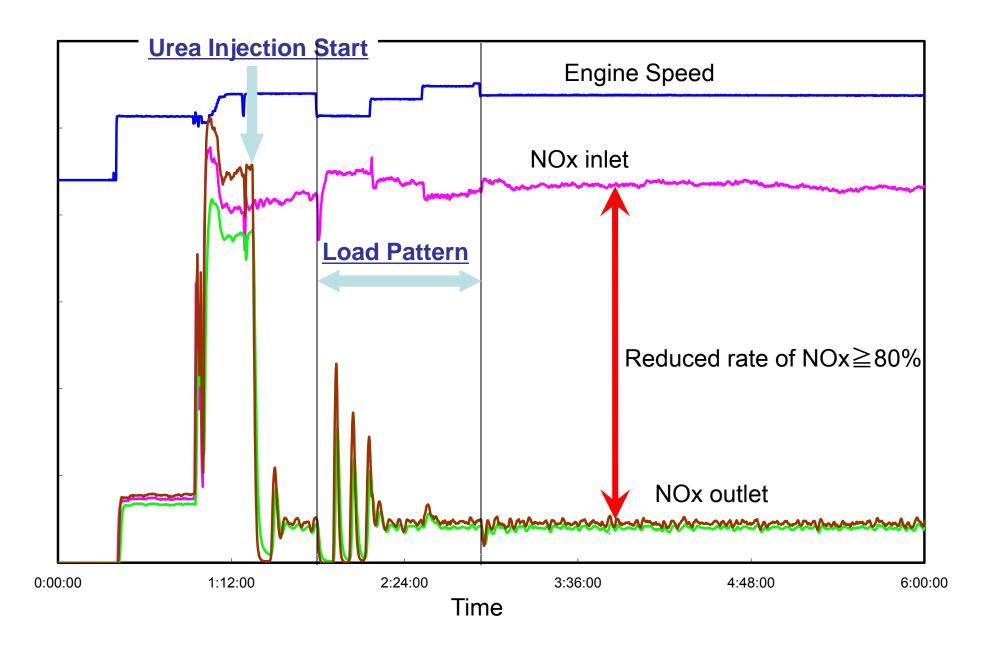
# Layout of on-board SCR system



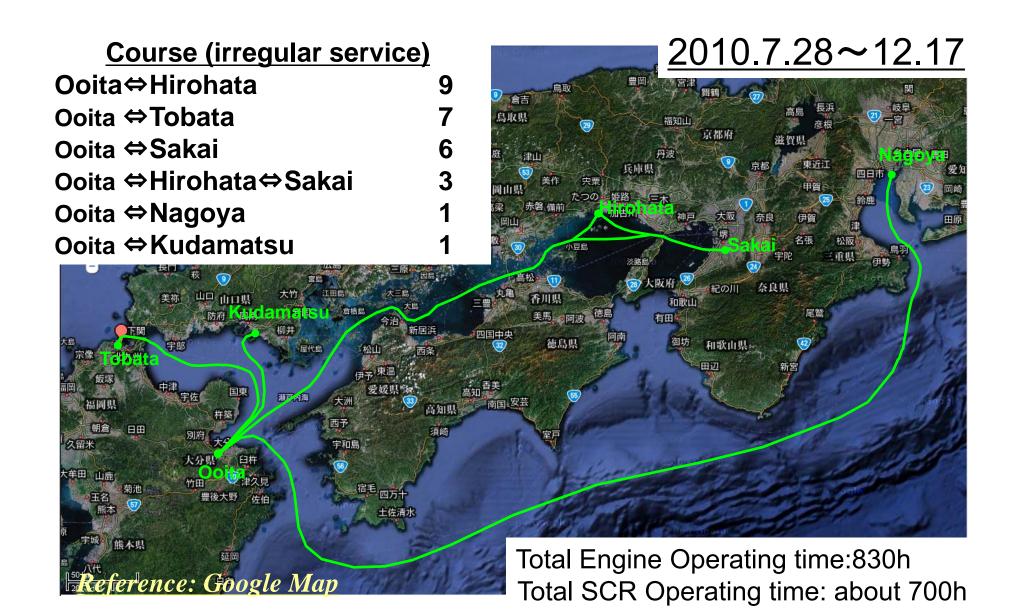
#### Layout of Catalyst and NOx Measuring point



### **Test Results**



#### Service course and Operation time

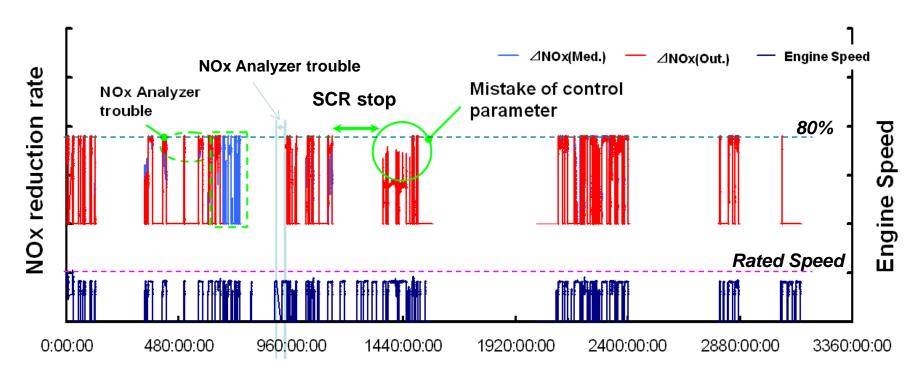


## History of operation on-board SCR test

Period of Test :2010.7.28~12.17

Total Engine Operating time: 830h
Total SCR Operating time: about 700h

It has checked operating normally a SCR system and reducing NOx by 80%



Cumulative time from starting on board SCR test

#### **Evaluation of SV**

