On-Board SCR trial using high speed auxiliary engine

JAPAN

On-board SCR Ship

Auxiliary Engine

- Test Ship: 95,000DWT bulk carrier
- Test Engine: "6EY18AL" (Power output of 550kW, Rated speed of 900min⁻¹)
- Fuel Oil: Heavy Fuel Oil
 (and Marine Diesel Oil: SCR test only)



Layout of on-board SCR system (Auxiliary engine)

Catalyst Reactor

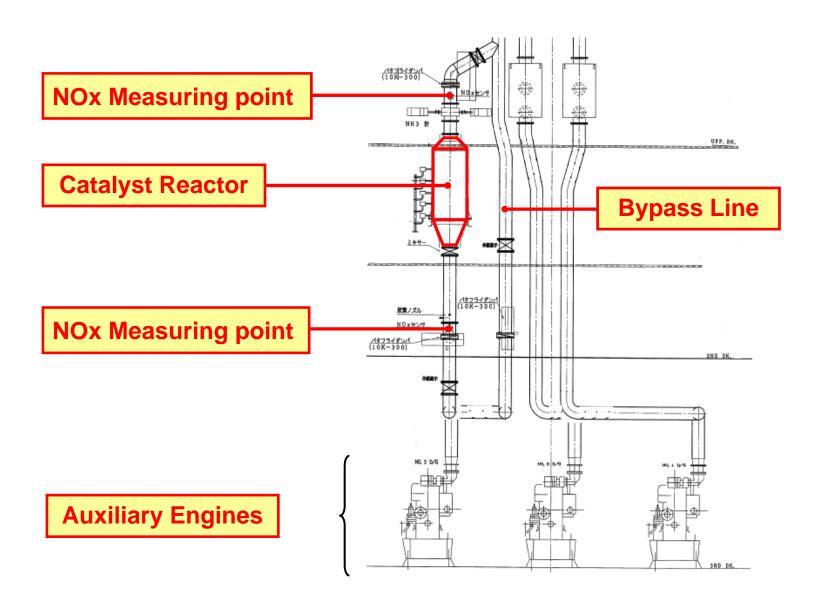


(Auxiliary engine)

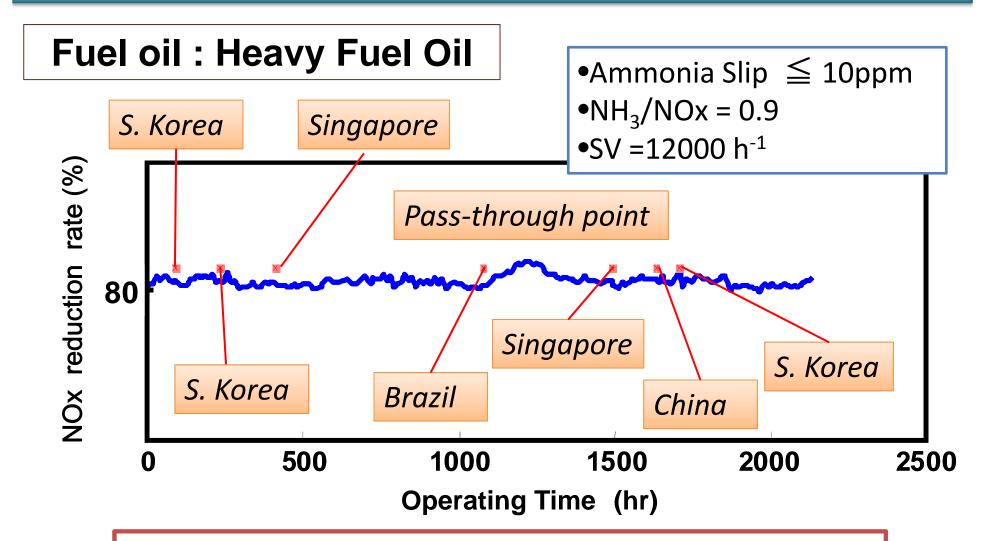


Exhaust Gas

Layout of Catalyst and NOx Measuring point (Auxiliary engine)



History of operation on-board SCR test (Auxiliary engine)



•At the operating to SCR system of 2000 hour, no decline of denitration performance was observed.