

## Energy-efficient Hydraulic Excavators

### Features

Features of the "ZAXIS-6 series" hydraulic excavators:

- ◆ Conforms to Japan and Europe's, USA emission regulations
- ◆ Low fuel consumption by TRIAS II system
- ◆ Easy maintenance, safety and durability

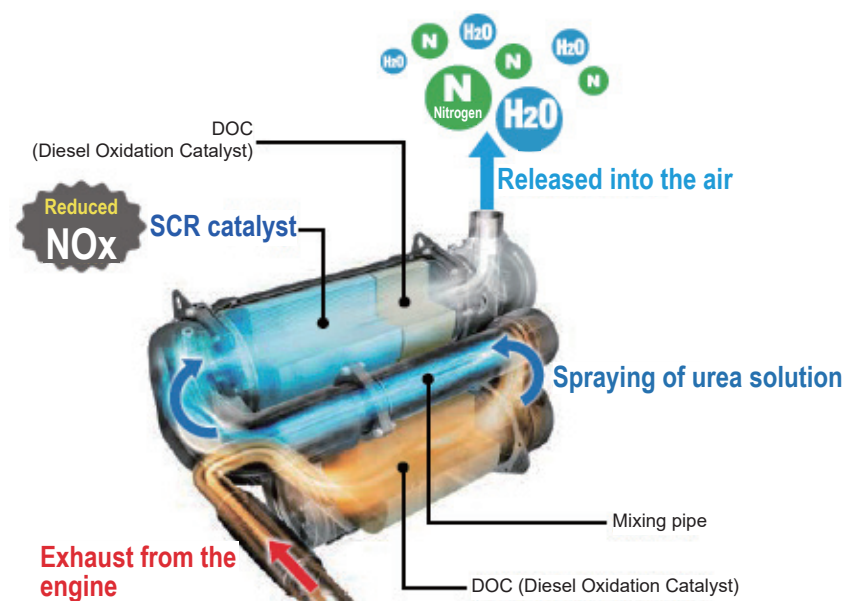
### Basic Concept or Summary

New model "ZAXIS-6 series" that complies with the most recent emission regulations  
Uses the "urea SCR system" to conform to emission regulations  
Excellent operability and low fuel consumption with the new hydraulic system "TRIAS II"  
Easy maintenance and safety equipment  
Durable, long-life engine and structure



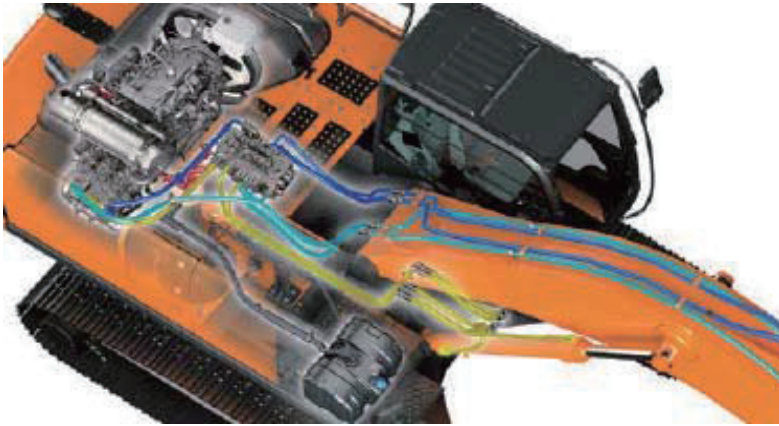
### "The SCR(Selective Catalytic Reduction) System"

Hitachi Construction Machinery has developed SCR system that injects urea into exhaust gas to reduce nitrogen oxide from emissions.



### New hydraulic system “TRIAS II”

Hydraulic loss is decreased by TRIAS II technology. It reduces the hydraulic oil returned to the tank due to the cooperative control of the pump and valve.



### Effects or Remarks

- ◆ TRIAS II helps to lower fuel consumption by 6% with the same productivity. \*1
- ◆ Conforms to Japan and Europe's, USA emission regulations

\*1: compared with ZX200-5B

### Installation in Practice or Schedule

**Domestic** Medium-sized ZX-6 series hydraulic excavators on the market since September 2016.

**Overseas** North America: Medium-sized ZX-6 series hydraulic excavators on the market since January 2015.  
Europe: Medium-sized ZX-6 series hydraulic excavators on the market since October 2015.

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