

November 1, 2013

ISUZU at the 43rd Tokyo Motor Show 2013

Isuzu Motors Limited (head office; Shinagawa, Tokyo, president: Mr. Susumu Hosoi, hereafter "Isuzu") is going to make a presentation at the 43rd Tokyo Motor Show 2013 to be held at Tokyo Big Sight from Saturday, November 23rd through Sunday, December 1st.

ALWAYS NEXT TO YOU

-- For your life whenever and wherever --

Under this theme, Isuzu will show you how the company has been contributing to enriching and making easy people's life by producing a variety of automobiles. You will see Isuzu's commercial vehicles and diesel engines then and now as well as ISUZU mu-X, which was full-model-changed in Thailand in October this year, as an example of the models being manufactured and marketed overseas.

Below are the exhibits you will see at Isuzu's exhibition stand.

1. ELF CNG-MPI

This truck runs on CNG of which combustion produces no sulfur oxides (SO_x), no particulate matters (PM) and less carbon dioxides (CO₂) which is the cause of global warming. Isuzu is proud of this truck model which is contributing to energy diversification by using compressed natural gas (CNG).

2. FORWARD F Cargo Cool

The F Cargo-series, rolling out of the Isuzu assembly line as complete vehicles unique to Isuzu, is a variant of the mid-duty truck model, "FORWARD". This F Cargo Cool is a temperature-controlled van equipped with a package of optimal devices for constant temperature transport of foods.

3. FORWARD 6X6

This is an all-terrain vehicle which is good at running through uneven, weak ground with terrain obstacles. It is designed to cope with disasters such as forest fires spread over a wide area and floods caused by heavy rains.

4. GIGA Dump

This is a light-duty dump truck in the GIGA series, boasting the durability and loading capacity enough to support community development. This dump truck, which achieved the weight reduction of both the body and chassis securing the payload as large as possible, is the most suitable for transport of aggregates and industrial raw materials.

5. ELGA Hybrid

This is a parallel hybrid route bus model, equipped with a diesel engine, auto clutch, motor, AMT (automated manual transmission) and lithium-ion battery, which enable both fuel-saving and easy driving.

6. 1.5-ton Wolseley CP type truck (Reference exhibit)

This 1.5-ton Wolseley CP type truck is the very first model of Isuzu trucks, completed in 1924 after Isuzu overcame the Great Kanto Earthquake the previous year. It can be said that this was the starting point of Isuzu's truck manufacturing.

7. ISUZU mu-X (produced and sold overseas) (Reference exhibit)

This ISUZU mu-X is a PPV (Passenger Pick-up Vehicle), full-model-changed and made public in Thailand in October, 2013. It was developed based on the ISUZU D-MAX, pursuing further improved comfort and safety to meet the needs of overseas markets such as Thailand and the other countries in Southeast Asia and Australia.

8. Isuzu diesel engine series

80 years have passed since Isuzu began to research and develop diesel engines. Below are the engine models which show you the history of Isuzu's diesel engine manufacturing.

(1) DA4 Diesel Engine (Reference Exhibit)

- Manufactured from 1936 to 1939.

Isuzu's diesel engine development was started with the DA4 and DA6 models. Representing the two models, the air-cooled four-cylinder engine, DA4, is exhibited.

(2) DL201 Diesel Engine (Reference Exhibit)

- Manufactured from 1961 to 1964.

This engine model was employed for the first generation ELF which was well accepted and proved how diesel engines were suitable for trucks. With this engine, Isuzu attained a reputation as a diesel engine manufacturer.

(3) 10TD1 Diesel Engine (Reference Exhibit)

- Manufactured from 1997 to 2003

This is an unsupercharged 30.4-litre, 600 hp engine, which is the largest engine boasting the highest power in the history of Isuzu's truck manufacturing. However, after this 10TD1 model, Isuzu's engine development shifted its focus to downsized and supercharged engines with smaller displacement and high efficiency.

Below is the lineup of D-CORE-series diesel engines, currently manufactured by Isuzu. They are clean diesel engines pursuing economical efficiency through weight reduction and downsizing as well as higher power and torque per liter through supercharging.

(4) 4JJ1-TCS Diesel Engine

This is the engine employed for the light-duty truck model, ELF. It is equipped with the 2-stage turbocharging system which regulates 2 kinds of high and low pressure turbochargers.

(5) 4HK1-TCH Diesel Engine

This is the engine employed for the mid-duty truck model, FORWARD. Its two-stage turbocharging system realizes a highly efficient turbocharging effect across the whole engine speed range.

(6) 6UZ1-TCH Diesel Engine

This is the engine employed for the heavy-duty GIGA straight trucks and tractors. It is a powerful and clean engine boasting the wide range of engine speeds where a high fuel efficiency can be achieved.

9. Advanced vision supporting system, "VAT" / Electronic vehicle attitude control system, "IESC"

VAT (View Assist Technology) is an advanced system which visualizes risk factors for traffic accidents at an early point and totally assists the driver's cognition, judgment and operational ability, making full use of a high-precision millimeter wave radar and various kinds of sensors. Together with the VAT, "IESC" (Isuzu Electronic Stability Control), which stabilizes the vehicle attitude to prevent rollover accidents and so on, will be introduced to you.

10. Advanced vehicle operation information system, "Mimamori-kun Online Service"

This system collects the data of vehicle situation on real-time basis by utilizing the latest communication technologies and GPS. The collected data are analyzed by the Mimamori Center and then the results are shared between the office and the vehicle which are connected via the Center. This enables real-time vehicle operation management

