

# T O P I C S

## New GENE0—Setting New Standards for Safety and Environmental Friendliness



To respond to customers' needs and ensure satisfaction, the new GENE0 (8-Series overseas) 1- to 3.5-ton internal combustion lift truck was developed in pursuit of higher levels of safety, environmental features and ease of use.

*Note: In September 2006, Toyota Industries commenced sales of this product series in Japan. They will be introduced gradually to the U.S. and European markets. Please visit [www.toyota8series.com](http://www.toyota8series.com) for more information.*

### Higher Level of Safety

- **SAS (System of Active Stability)**  
SAS is an original system developed by Toyota Industries that realizes operator safety and greater operating efficiency.
- **OPS (Operator Presence Sensing)**  
OPS prevents operators from driving the lift truck when they're not seated in the proper operating position.
- **Travel and Load Handling Control (option)**  
Lift-height and load-sensing features in terms of vehicle speed and preventing sudden acceleration realize improved travel and load handling control.

### Environmental and Operator Friendliness

- **Cleaner Exhaust Emissions**  
The new GENE0 realizes reductions in the volume of CO emissions by 57% and NOx and HC emissions by 99% without compromising power.
- **Low Fuel Consumption & Low-Vibration Design**  
The new GENE0 boasts top-level performance with reductions in fuel consumption by 15% and vibration by 90%.

### High Operability

- **Small-Diameter Steering Wheel**  
The small-diameter steering wheel enables operators to easily maneuver using small movements and thus reduce operator stress.
- **Wide Floor Space**  
Wide floor space ensures operators can work long hours comfortably without fatigue.

## Logis-Tech Tokyo 2006— “Toward a New Future for Logistics Solutions and Lift Trucks”

Toyota Industries exhibited its new GENE0 (8-Series overseas) lift truck as well as a concept model incorporating its hybrid technologies at Logis-Tech Tokyo 2006, an international material handling, storage and distribution exhibition held in September 2006. Based on the theme “Logistics Solutions,” Toyota Industries held a demonstration of actual on-site work operations featuring its cutting-edge IT technologies as well as automated storage and retrieval systems and other systems.

Backed by an extensive product lineup, along with a strong sales and service network, we remain committed to providing our full support in building optimal logistics environments for our customers.

### Hybrid lift trucks

Utilizing the Toyota Group's hybrid technologies and components, Toyota Industries is developing highly efficient hybrid systems for lift trucks that offer superior reliability, durability and cost performance. We will continue pursuing the development of new technologies as we work toward commercialization.



## Automotive Engineering Exposition 2006

In May 2006, Toyota Industries participated in Automotive Engineering Exposition 2006, an exhibition of automobile technologies held in Yokohama, Japan. At our exhibition booth, we introduced an array of products and technologies that contribute to a comfortable car environment, including

environment-friendly and electronics technologies that play key roles in the further advancement of automobiles.

Our featured products included car air-conditioning compressors that ranged from fixed-displacement and variable-displacement models to compressors for hybrid vehicles, power electronics products that are essential for hybrid vehicles and engine blocks noted for thinness and strength.



Variable-displacement compressor



DC-DC converter for the Prius



AD engine cylinder block

