

# Environmental Activities

Toyota Industries is promoting environmental management based on its five-year Environmental Action Plan. Under the Fourth Environmental Action Plan, which runs from fiscal 2007 to fiscal 2011, we have designated “curbing global warming,” “improving resource productivity,” “reducing environmental risk factors” and “global environmental management” as priority issues, with efforts undertaken within the entire Toyota Industries Group to achieve the plan objectives.

## Eco-Factory Activities

Eco-factory activities refer to the thorough consideration of the environment in all aspects of factory construction from land acquisition through to the construction of factory buildings and production lines. Based on our own company standards for the construction of eco-factories, we will pursue this approach at all of our factories both in Japan and overseas.



At the Higashiura Plant in Chita-gun, Aichi Prefecture, we are proactively adopting clean energy systems and energy conservation systems, including wind and solar power generation, co-generation systems and an ice-storage air-conditioning heat transfer system. These efforts are aimed at reducing power consumption of the production lines to 20% less than that of conventional factories.

## Eco-Friendly Products

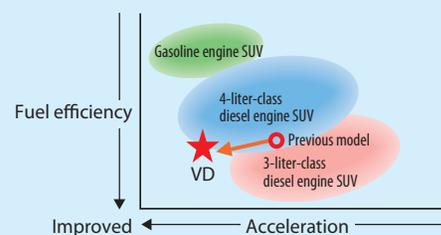
In September 2007, Toyota Motor Corporation started installing our VD clean diesel engine, for which we were consigned to develop and produce, into its Land Cruiser (for overseas) after a full model change. This is Toyota’s first 4.5-liter V8 diesel engine befitting the new Land Cruiser, which was developed under the “King of 4WD” concept. Compared with other diesel engines, the VD clean diesel engine boasts a drastically reduced environmental load.



### ● Balancing power performance and fuel efficiency

For a 4-liter-class SUV, the engine achieves a top-level power performance and fuel efficiency comparable to a 3-liter-class SUV

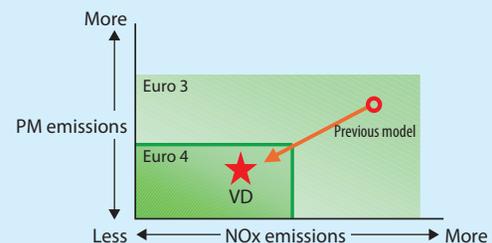
- Improved torque by 50%
- Improved time required to reach 100 km/h by 30%
- Improved fuel efficiency by 4.3%



### ● Cleaner exhaust emissions that comply with the latest emission regulations

- Complies with Euro 4 regulations
- Reduces NOx and PM emissions by 50%

\* Euro 4: European vehicle emission regulations  
 \* NOx: Nitrogen oxide  
 \* PM: Particulate matter



- Top-level quietness relative to competing engines

- Reliability as an engine for off-road vehicles enabling solid driving in any environment