

6<sup>th</sup> November 2020

Large-Scale Pure Car and Truck Carrier “SAKURA LEADER” Enters Commission  
Equipped with Daihatsu Diesel’s Marine-Use “6DE28DF” Dual-Fuel Engine

On the 28<sup>th</sup> October, NYK Line’s large-scale Pure Car and Truck Carrier (PCTC) “SAKURA LEADER” entered commission, equipped with the Daihatsu Diesel dual-fuel engine “6DE28DF”.

This ship is the first large-scale LNG fueled vessel constructed in a Japanese shipyard and, with a capacity of approximately 7000 vehicles (standard car equivalent), is one of the world’s largest car carriers. It will be engaged in the transportation of finished vehicles from the likes of the Toyota Motor Corporation.

This a next-generation environmentally-focused vessel: compared to the traditional heavy fuel oil engines, conversion to LNG fuel and ship design improvements mean that around a 40% improvement in CO<sub>2</sub> emissions (per unit of transport), and reductions of around 99% for SO<sub>x</sub> (sulfur oxides) emissions and 86% for NO<sub>x</sub> (nitrogen oxides) can be expected.

The equipped “6DE28DF” engine is our company’s first marine-use dual-fuel engine. It is capable of switching operation between LNG-fueled gas mode and liquid-fueled diesel mode depending upon the conditions, thus reducing not only CO<sub>2</sub>, but also SO<sub>x</sub>, NO<sub>x</sub> and PM (particulate matter), making the 6DE28DF engine a high-performance environmentally-friendly engine.

This current dual-fuel technology line-up consists of 4 models offering 800~4,000kW output, and we expect an increase in demand in the future.

Our group regards global environmental conservation as one of our important management issues and promotes environmental impact reduction in all our business activities, from product development to procurement, production, sales, logistics, and after-sales services.

Furthermore, befitting our responsibility to the society we are part of, we will continue working with clients and business partners to achieve the major goal of zero environmental impact, and contribute to the development of a sustainable society.

## **【 Inquiries 】**

### **Products:**

Marine Engine Sales Department

<http://www.dhtd.co.jp/en/inquiry/product.html>

### **Other:**

General affairs Department

<http://www.dhtd.co.jp/en/inquiry/other.html>