

Pure Car and Truck Carrier “PLUMERIA LEADER” Enters Commission Equipped with Daihatsu Diesel Marine-Use Dual-Fuel Engine “6DE28DF”

On the 24th of March, NYK Line’s Pure Car and Truck Carrier (PCTC) “PLUMERIA LEADER” entered commission equipped with the Daihatsu Diesel marine-use dual-fuel engine “6DE28DF”. This vessel marks the third to be equipped with one of our dual-fuel engines.

Following on from “SAKURA LEADER”, this new LNG fuelled vessel is the largest scale of car carrier in the world, capable of transporting approximately 7000 units per vessel (base car conversion). It will be engaged in the transportation of finished vehicles from companies including the Toyota Motor Corporation.

Through the conversion to LNG and an improved hull form, this next-generation environmentally focused vessel sees around a 40% improvement in CO2 emissions per unit of travel and expected reductions of around 99% for SOx (sulphur oxide) emissions and around 86% of NOx (nitrogen oxide) when compared to conventional HFO engines.

The 6DE28DF engine equipped on this vessel can switch operation between LNG-fuelled gas mode or liquid-fuelled diesel mode according to the situation. With its capacity to simultaneously reduce not only CO2 but also SOx, NOx and PM (particulate matter), it is a high-performance environmentally-kind engine.

This LNG-fired technology is part of a 4-model line-up outputting 800kW to 4,000kW, with the first shipments of the other 3 engine models scheduled within this year and a steady increase in demand anticipated in the future.

Within our group, protection of the global environment is considered one of the important managerial issues: from product development to procurement, production, selling, distribution and after service, the reduction of our burden on the environment is being promoted in all business activities.

Furthermore, in keeping with our company’s duty as a member of society, and with the co-operation of our suppliers and business partners, we work towards the foremost goal of zero environmental impact and our contribution to the development of a sustainable society.



【Inquiries】

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