

September 21st, 2021

Kawasaki Kisen Kaisha, Ltd.

“K” LINE to procure 8 Next-Generation of Environmentally Friendly Car Carriers  
～Progressing towards 2030 Interim Milestones and Action Plan for Low-Carbonization～

Kawasaki Kisen Kaisha, Ltd. (“K” LINE) has decided to procure eight 7,000 units class car carriers fueled by LNG (liquefied natural gas) by FY2023 to FY2025, following our first LNG-fueled vessel, “CENTURY HIGHWAY GREEN” which was delivered on March 12, 2021. “K” Line has made an agreement to order the new next-generation of environmentally friendly car carriers from NIHON SHIPYARD CO., LTD., SHIN KURUSHIMA DOCKYARD CO., LTD., and CHINA MERCHANTS JINLING SHIPYARD (NANJING) CO., LTD, two vessels in each of three shipyards.

Next-generation of environmentally friendly vessels are expected to reduce emissions of carbon dioxide (CO<sub>2</sub>), which is a greenhouse gas (GHG), by 25% to 30%, emissions of sulfur oxides (SO<sub>x</sub>), which cause air pollution, by almost 100%, and emissions of nitrogen oxides (NO<sub>x</sub>) by 80% to 90% with use of LNG fuel and EGR (Exhaust Gas Recirculation), compared to conventional vessels using heavy fuel oil.

In “K” LINE Environmental Vision 2050 (Note1), we have set the 2030 interim target of improving CO<sub>2</sub> emission efficiency by 50% over 2008, surpassing the IMO target of 40% improvement. We are planning to substitute LNG fuel and other new fuels for conventional heavy fuel oil to achieve the targets set forth.

In accordance with “K” LINE Environmental Vision 2050, we will flexibly and proactively listen to customer demands including environmental issues and find the best solution to contribute to the sustainable development of the society.

< Please refer to the following releases related to LNG-fueled vessels >

- March 2021:

The first Car Carrier fueled by LNG has been delivered to K” LINE.

<https://www.kline.co.jp/en/news/car/car753727087818379669/main/0/link/210312EN1.pdf>

- July 2021:

Released Signing of the first Consecutive Voyage Charter for a LNG-fueled Capesize Bulk Carrier

<https://www.kline.co.jp/en/news/drybulk/drybulk8599282089888261624/main/0/link/210720EN.pdf>

- September 2021:

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< References >

EEDI and Regulations of SOx and NOx

<https://www.kline.co.jp/en/csr/environment/regulation.html>

(Note 1) "K" LINE Environmental Vision 2050 "Blue Seas For the Future"

<https://www.kline.co.jp/en/csr/environment/management.html#002>

## KLING Environmental Vision 2050



### Engineering Improvement

- \* To Build Fuel-efficient vessel
- \* Efficient shipping operations



### New Fuels

- \* Recent: LNG
- \* Future: Hydrogen/ammonia for zero GHG-emissions



### Carbon Neutral Business ex. Support offshore wind power generation facilities



### Energy-Efficiency Technology

- \* On-board CO2 capture and storage
- \* CO2 marine transportation (CCUS)



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