

March 13, 2024

LNG-fueled Car Carrier *CERULEAN ACE* Delivered

~ MOL Moves Steadily toward Goal of 90 LNG/Methanol-fueled Vessels by 2030 ~

TOKYO—Mitsui O.S.K. Lines, Ltd. (MOL; President & CEO: Takeshi Hashimoto) today announced that on March 13, the LNG-fueled car carrier *CERULEAN ACE* ^(Note 1), was delivered at the Onishi Shipyard of Shin Kurushima Dockyard Co., Ltd. (President: Katsushi Mori; Head Office: Imabari-shi, Ehime Prefecture). The vessel will transport cars, including those produced by Mazda Motor Corporation (President and CEO: Katsuhiro Kago; Head Office: Fuchu-cho, Aki-gun, Hiroshima Prefecture).

MOL has decided to operate 14 new LNG-fueled car carriers ^(Note 2) and the *CERULEAN ACE* is the first of 11 to be built in Japan under the “BLUE” series. The use of LNG fuel reduces carbon dioxide (CO₂) emissions by about 25-30%, sulfur oxide (SO_x) emissions by about 98%, and nitrogen oxide (NO_x) emissions by about 85% compared to comparable vessels using conventional fuel oil.

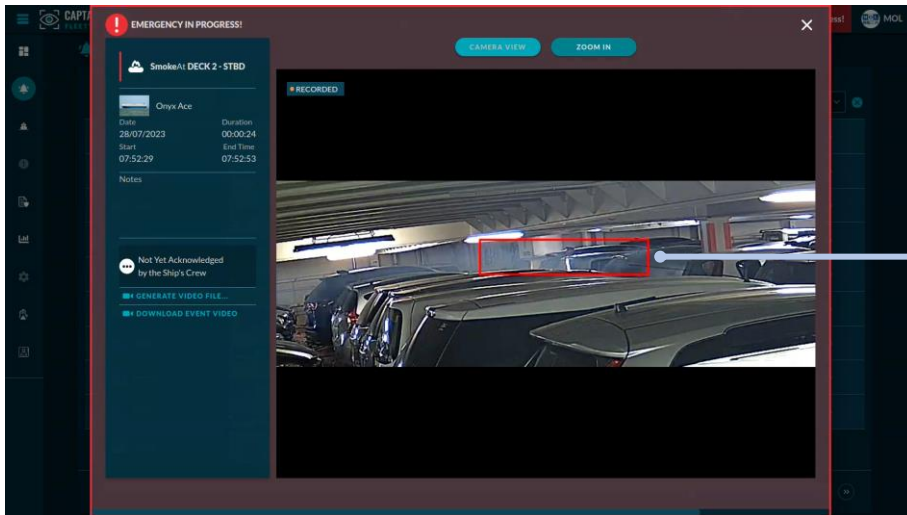
Introduced an aerodynamics design
(Beveled top of bow)
that reduces wind resistance by 20%



The LNG-fueled car carrier *CERULEAN ACE*

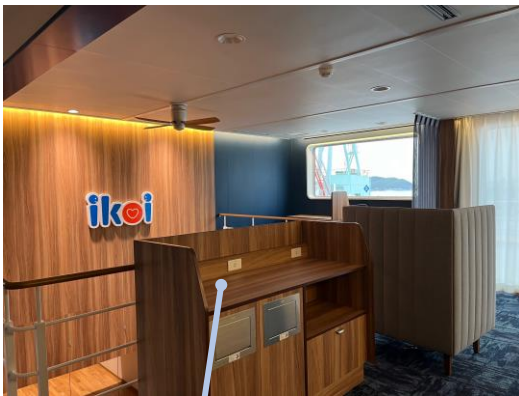
The breadth was widened from 32m to 38m;
The capacity has also been increased
from about 6,400 to about 7,000 vehicles.

The *CERULEAN ACE* is the 100th vessel
MOL has ordered from
the Shin Kurushima Dockyard Group.

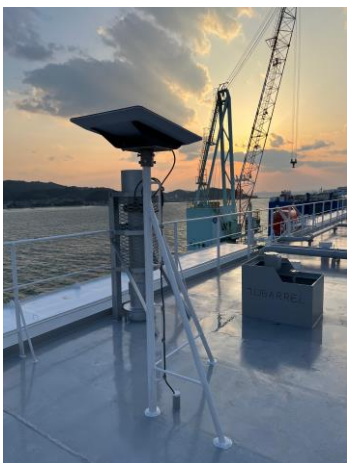


The AI system installed in cargo hold detects fires and notifies crewmembers of abnormalities based on images captured by cameras. (The fire early detection capability is dramatically improved.)

AI camera monitor screen during testing (alert is triggered when smoke is detected)



The new IKOI is provided to enhance the crewmembers' comfort. It is a "third place" for relaxation, neither living quarters nor a workplace.



Starlink satellite communications service provides high-speed, low-latency connectivity, enhancing the comfort and well-being of the crewmembers.

Starlink antenna installed on the vessel



The naming and delivery ceremony on March 13
 Mazda Director and Senior Managing Executive Officer Takeshi Mukai (second from left),
 MOL Executive Vice President and Representative Director Toshiaki Tanaka (second from right)

Since the first car carrier was delivered in Japan in 1965, MOL has been expanding its services with the aim of further developing its car carrier business in the global market. It will continue to offer high-quality service to customers through environmentally friendly, safe, and efficient operations.

[CERULEAN ACE Specifications]

Ship type: 7,050RT type LNGDF car carrier (high-pressure main engine)
 Shipyard: Shin Kurushima Dockyard, Onishi Shipyard
 LOA: 199.95m
 Breadth: 38.00m
 Capacity: 7,050 units

(Note 1) Inspired by "BLUE," the name of the vessel included "CERULEAN" which means "blue sky" or "sky blue" in Spanish.

(Note 2) MOL Group has established the "[MOL Group Environmental Vision 2.2](#)," and set the target of achieving net zero greenhouse gas (GHG) emissions by 2050. To achieve this target, it plans to deliver 90 LNG/methanol-fueled vessels by 2030 as "a feasible initiative for reducing GHG emissions at present." At present, it has decided to deploy 33 LNG-fueled ocean-going vessels, including the CERULEAN ACE.

MOL Group 5 Sustainability Issues

MOL Group identifies "Sustainability Issues" (Materiality) as our key issues for sustainable growth with society through realization of the Group Vision. We anticipate this initiative to contribute especially to the realization of "Safety & Value -Provide added value through safe transportation and our social infrastructure business-," "Environment -Conservation for Marine and global environment-," "Human & Community -Contributing to the growth and development of people and communities-" and "Innovation -Innovation for development in marine technology-."



Inquiries regarding this matter

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