

CENTURY HIGHWAY GREEN 7,000 CARS TYPE LNG Dual-fuelled Vehicles Carrier 67

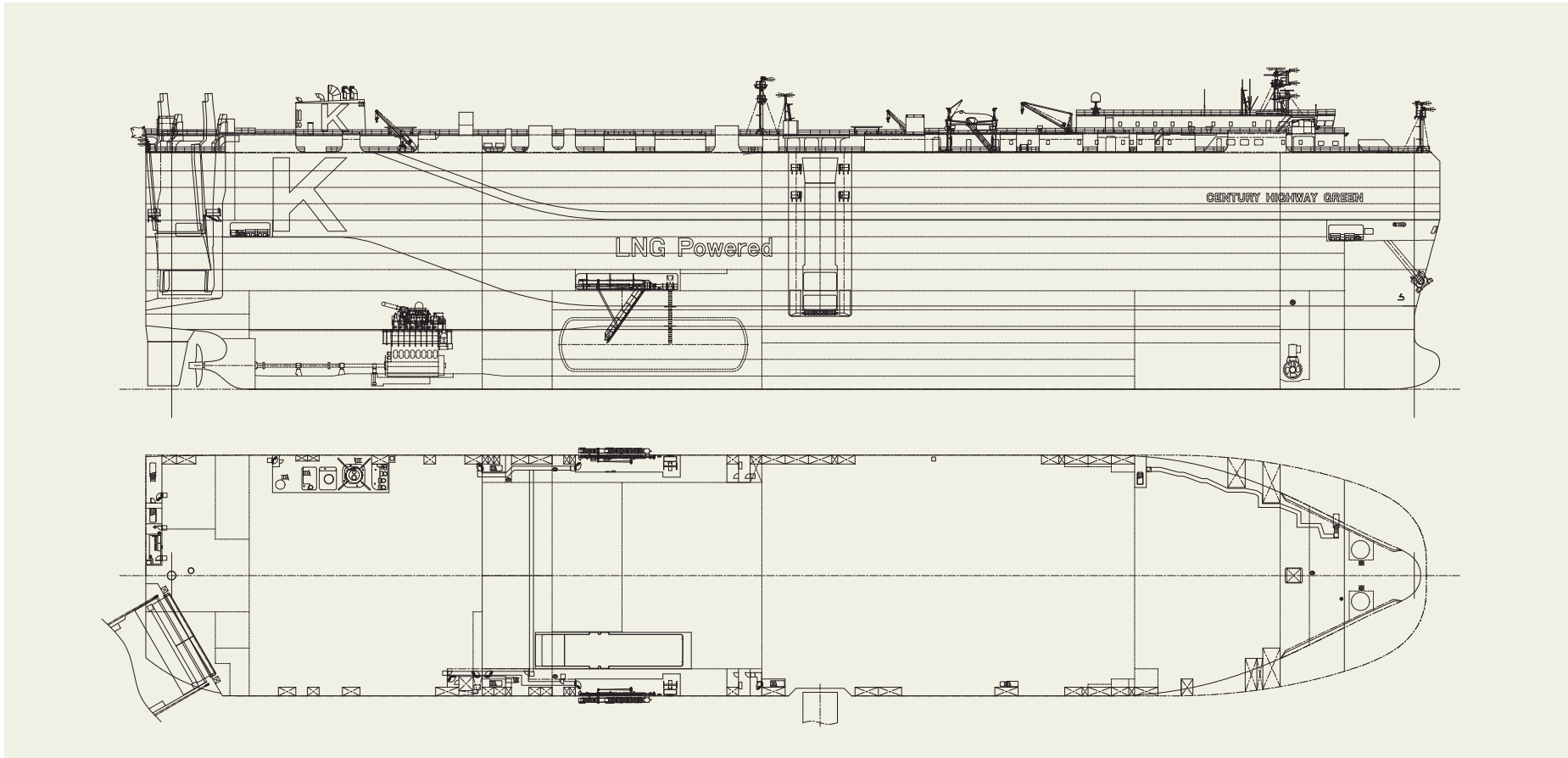
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PRINCIPAL PARTICULARS

| | | | |
|---------------------|---------|----------------------|----------------------------|
| Breadth (mld.)..... | 37.2 m | MCR (kw x rpm) | 9,380 x 92.0 |
| Depth (mld.)..... | 36.51 m | Speed (service)..... | 18 knots |
| Gross tonnage..... | 73,515 | Classification | NK |
| Deadweight..... | 16,844 | HBuilder | Tadotsu Shipyard Co., Ltd. |

PLUMERIA LEADER 7,000 Unit Car Carrier 68

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PLUMERIA LEADER 7,000 Unit Car Carrier 68

Contents By Builder By Ship Type

The 7,000 units type car carrier PLUMERIA LEADER was completed in March 2022 at SHIN KURUSHIMA TOYOHASHI SHIPBUILDING CO., LTD. and delivered to Nippon Yusen Kabushiki Kaisha.

Features

1. This ship is 7,000 units type next-generation car carrier equipped with dual fuel engine using LNG as main fuel. The ship equipped with an environmentally friendly the engine that can reduce CO₂ emissions by more than 30% and almost no SO_x emissions, etc. compared to conventional engines fueled by heavy oil.
2. The ship, which is keeping the length overall to less than 200m, and is expanded the breadth than conventional Panamax width, has increased cargo loading number. For this reason, fuel consumption per vehicle cargo is much better compared with the existing car carriers.
3. It is achieved lower fuel consumption by applying the following energy efficiency devices including Shin Kurushima Dockyard originally developed; A.S.FIN, TURBO-RING, SKEG FIN, K³ PROPELLER, AERODYNAMIC SCREEN, REACTION RUDDER, and applying LOW FRICTION TYPE SHELL PAINT.
4. By applying the partial bulkhead less structural method for hull construction, it can be applied One-way system of slope way of both side of ship, and it is very efficient for car loading/unloading

operation accordingly.

5. Regarding loading/unloading equipments, the ship has a stern ramp (35m x 13.2m : SWL 30t) and a center ramp (22m x 4.3m : SWL 15t).
6. The ship's wheelhouse is the all-weather structure type. Therefore, it is improved workability of departure/arrival, the surrounding watch, operability and safety. The center console is considered the shape of the wheelhouse and

person's movement. The consoles are equipped with all the equipment essential for maneuvering, monitoring, route planning, etc. so that it can be operated efficiently. In addition, the consoles on the both wings are equipped with a multi-monitor for checking image of radar etc. and equipments required for departure/arrival. These equipments are satisfied the international regulations and are latest type.

PRINCIPAL PARTICULARS

| | | | |
|---------------------|---------------------------------------|-------------------------------------|---|
| Length (o.a.)..... | 199.96 m | MCR (kW x rpm)..... | 11,920 kW x 105 min ⁻¹ |
| Length (b.p.)..... | 196.00 m | NOR (kW x rpm)..... | 8,940 kW x abt. 95.5 min ⁻¹ |
| Breadth (mld.)..... | 38.00 m | Speed (service)..... | 18.0 knots |
| Depth (mld.)..... | 35.54 m | Complement..... | 30 P |
| Draft (mld.)..... | 9.55 m | Classification..... | NK |
| Gross tonnage..... | 72,287 | Loading capacity (car/vehicle)..... | 7,150 units |
| Deadweight..... | 17,210 t | (others)..... | LNG Tank x 2 sets |
| Main engine..... | Diesel United – Win GD 8X52DF x 1 set | Builder:..... | Shin Kurushima Toyohashi Shipbuilding Co., Ltd. |

