

BUNUN UNICORN 40,045 DWT Bulk Carrier 46

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The Hakodate Dock Co., Ltd. delivered the 40,000 DWT type log / bulk carrier, BUNUN UNICORN, built at its Hakodate Shipyard on 8th June, 2023. The vessel is one of a series of HIGH BULK 40E jointly developed with Namura Shipbuilding Co., Ltd.

This design adopts all advantages of the previous generation of the HIGH BULK 34E series, with the concept of more

competitiveness in maximizing the volume of cargo capacity for grains, coals, steels, logs, etc. and more eco-friendly operation by reducing fuel consumption with optimized hull form and energy-saving devices.

Various measures for energy and fuel saving efficiency are incorporated in addition to the hull form such as the newly developed vertical shaped bow and three energy saving

devices, the Namura flow Control Fin (NCF), the Rudder Fin (R-Fin) and the additional fins behind NCF attached to the stern, which improve propulsion performance and fuel saving efficiency. Therefore, this vessel has achieved EEDI (Energy Efficiency Design Index) Phase 3.

Semi-box shaped cargo holds with larger cargo hatch covers are adopted for serviceable and safer operations in cargo handling work. Double hull construction is adopted for security against unexpected occurrences such as collision damage and cargo leakage. Four deck cranes on the upper deck in the centre line and the collapsible-type stanchion on the upper deck are equipped for loading logs.

PRINCIPAL PARTICULARS

Length (o.a.)	182.94 m
Length (b.p.)	179.90 m
Breadth (mld.)	31.60 m
Depth (mld.)	14.80 m
Draft (mld.)	9.30 / 10.37 m
Gross tonnage	24,472
Deadweight	40,045 t
Main engine	J-ENG 6UEC42LSH-Eco-D3-EGR
MCR (kw x rpm)	5,050 kW x 101.0 rpm
NOR (kw x rpm)	4,290 kW x 95.7 rpm
Speed (max. trial)	14.93 knots
(service)	13.6 knots
Complement	24
Classification	NK
Handling gear	30.5 t x 26 m/R (Nos.1~4)
Loading capacity (grain)	50,517.50 cub.m
(bale)	49,153.38 cub.m
(Log)	7,282,165 S.C.R.
Builder	The Hakodate Dock Co., Ltd.