



DIETRICH OLDENDORFF - Bulk carrier

Shipbuilder: Oshima Shipbuilding Co., Ltd.
Vessel's name: *Dietrich Oldendorff*
Owner/Operator: ... Oldendorff Carriers GmbH & Co. KG
Designer: Oshima Shipbuilding Co., Ltd.
Country: Japan
Flag: Madeira
IMO number: 9860350
Total number of sister ships already completed (excluding ship presented): 1
Total number of sister ships still on order: Nil

Dietrich Oldendorff is the first in a pair of 100,000dwt Post-Panamax ships ordered by German bulk carrier operator Oldendorff Carriers from Japan's Oshima Shipyard and is also the first of the type designed by the yard.

The vessel was delivered in March 2020 following a joint naming ceremony with three super-eco Ultramaxs at the shipyard in January 2020, and its sister ship *Diana Oldendorff* was delivered the same year in May. Both vessels are part of Oldendorff's fleet renewal programme, which will see the company taking delivery of around 30 ships over the three-year period 2019-2021.

Included in the ship's design is the yard's signature Seaworthy Bow, which has no bulb but is used to allow vessels to maintain optimal speed during adverse weather conditions. The highly efficient hull form also features other Oshima proprietary energy saving devices such as the advanced flipper fins and a rudder fin. This combination allows *Dietrich Oldendorff* to achieve an EEDI rating well below the reference line for the ship type.

The seven hold/hatch vessel is gearless, has a typical octagonal bulk cross section and is optimised for carrying coal, grain and ore. Its length is 234.96m and beam 38m, providing some 115,356m³ of cargo capacity, and its summer draught is 15m.

Dietrich Oldendorff is powered by an ultra-long stroke MAN B&W 6G60ME-C9.5 main engine built by Mitsui. It's designed to run at the L4 rating for the engine type, producing 9,000kW at 72rpm. Auxiliary power is provided by three Daihatsu gensets. Compliance with SOx regulations is enabled by the installation of a Yara Marine Technologies exhaust gas cleaning system connected to the main and auxiliary engines. A Techcross ballast water treatment system is also included among the ship's environmental equipment.

TECHNICAL PARTICULARS

Length oa: 234.96m
Breadth moulded: 38.00m
Depth moulded
to main deck: 20.62m
to upper deck: 20.62m
Width of double skin
side: Single hull type for all cargo hold

Draught
scantling: 15.040m

Gross: 53,219gt
Deadweight
scantling: 100,449t
Speed, service: 14knots

Cargo capacity (m³)
Grain: 115,356
Bunkers (m³)
Heavy oil: 2,364
Diesel oil: 617
Water ballast (m³): 46,233

Classification society and notations: Nippon Kaiji Kyokai
NS* (CSR, BC-A, BC-XII, GRAB 20, PSC-WBT, NC) (ESP) (IWS) (PSCM) (IHM) (SOx(EGCS)) MNS*(M0), Strengthened for heavy cargoes loading where holds Nos. 2, 4 and 6 may be empty.
(SOx-EGCS-M/E, G/E(Nos.1,2,3))

Propulsion
Main engine(s)
Design: Mitsui E&S Machinery
Model: Mitsui MAN 6G60ME-C9.5
Manufacturer: Mitsui E&S Machinery
Number: 1
Type of fuel: HFO
Is this a diesel-electric or hybrid?: No

Propeller(s)
Material: Ni-Al-Bronze
Designer/Manufacturer: Nakashima Propeller Co., Ltd.
Number: 1
Fixed/Controllable pitch: Fixed

Diesel-driven alternators
Number: 3

Engine make/type: Daihatsu Diesel
Type of fuel: HFO
Alternator make/type: Nishishiba Electric

Exhaust-gas scrubbing equipment
Manufacturer: Yara Marine Technologies AS
Type: Inline type
On main engines?: 1 set of main engine exhaust gas line
On auxiliary engines?: 3 sets of main generator engine exhaust gas line

Boilers
Number: 1
Type: Vertical cylindrical smoke tube, composite type
Make: Osaka Boiler Mfg.

Other cranes
Number: 1
Make: Kyoritsu Kikai
Type: Electric motor driven
Tasks: Machinery parts, provision, Suez boat handling crane
Performance: 4.0t

Mooring equipment
Number: 4 x mooring winch, 2 x windlass/mooring winch
Make: Nippon Pusnes
Type: Electro-hydraulic

Special lifesaving equipment
Number of each and capacity: 1 free-fall lifeboat (25 persons)
Make: Shigi Shipbuilding
Type: F.R.P. totally enclosed

Hatch covers
Design: Iknow Machinery
Manufacturer: Iknow Machinery
Type: Weather-tight side rolling type

Ballast control system
Make: Nakakita Seisakusyo
Type: Multi control panel
Ballast water treatment system
Make: Techcross Inc.

Complement
Officers: 8
Crew: 13
Supernumeraries/Spare: 4

Navigation and other equipment
Bridge control system
Make: Furuno Electric

Is bridge fitted for one-man operation? No
Integrated bridge system?: No

Radars
Number: 2
Make: Furuno Electric

Fire detection system
Make: Consilium Nittan Marine Ltd.
Type: Smoke, thermal, flame

Fire extinguishing systems
Cargo holds:
Make/Type: / Sea water fog, jet
Engine room:
Make/Type: Kashiwa / Foam fire extinguishing system
Cabins: As per rule requirement
Public spaces: As per rule requirement

Waste disposal plant
Waste handled: Garbage and waste oil
Incinerator
Make: Sunflame
Waste shredder/crusher
Make: Mitsuboshi Chuki Mfg.
Sewage plant
Make: Taiko Kikai Industries

Efficiency
Attained EEDI value: -30.4%

Contract date: June 2018
Delivery date: March 2020

