



## BEATE OLDENDORFF - Bulk carrier

Shipbuilder: ..... Oshima Shipbuilding Co., Ltd  
Vessel's name: ..... *Beate Oldendorff*  
Owner/Operator: Oldendorff Carriers GmbH & Co. KG  
Designer: ..... Oshima Shipbuilding Co., Ltd.  
Country: ..... Japan  
Flag: ..... Madeira  
IMO number: ..... 9853022  
Total number of sister ships already completed (excluding ship presented): ..... 2  
Total number of sister ships still on order: ..... Nil

*Beate Oldendorff* was ordered from Japan's Oshima shipyard in March 2016 by German bulk specialist Oldendorff Carriers as one of three ships, all for virtually simultaneous delivery in 2020. They form part of an extensive fleet renewal programme with new vessels being built in Chinese and Japanese yards.

The three ships in the series, *Beate Oldendorff*, *Benjamin Oldendorff* and *Britta Oldendorff* (all of which are 62,500dwt), and larger vessel *Dietrich Oldendorff* were christened in a joint naming ceremony in January 2020. All four vessels were delivered on time two to three months later.

Oldendorff describes the vessel as a 'super-eco Ultramax', which is based on the popular Oshima-62k design modified with several upgrades to suit the owners operating strategies. Typical in the profiles of this highly versatile type of vessel, there are five holds and hatches. The ship has an loa of 200m, a Panamax beam of 32.26m, depth of 18.97m and draught of 13.35m.

The holds are CO<sub>2</sub> fitted and have strengthened tanktops allowing 25tonnes/m<sup>2</sup> in holds 1 to 4 and 26tonnes/m<sup>2</sup> in hold 5. When carrying heavy cargoes, holds 2 and 4 can be empty. There are cement ports in the hatches allowing for loading of grain or cement by pumps. Cargo handling gear consists of four electro-hydraulic cranes with a capacity of 30tonnes and a radius of 26m. Total grain capacity is 79,506m<sup>3</sup>.

Power to move the ship at a service speed of 14knots is provided by a Kawasaki-built MAN B&W 6S50ME-B9.5 engine series with a 7,220kW output at 94rpm. There are three Daihatsu gensets each producing 530kW at 900rpm. All gensets and the main engine can run on HFO and are connected to a Yara scrubber system allowing the vessel to meet the latest SOx regulations.

### TECHNICAL PARTICULARS

Length oa: ..... 199.995m  
Length bp: ..... 196m  
Breadth moulded: ..... 32.26m  
Depth moulded  
to main deck: ..... 18.97m  
to upper deck: ..... 18.97m  
Width of double skin side: ..... Single hull type for all cargo hold

Draught  
scantling: ..... 13.35m  
Gross: ..... 34,909gt  
Deadweight  
scantling: ..... 62,623t

Speed, service: ..... 14.5knots

Cargo capacity (m<sup>3</sup>)  
Grain: ..... 79,506  
Bunkers (m<sup>3</sup>)  
Heavy oil: ..... 1,652m  
Diesel oil: ..... 367  
Water ballast (m<sup>3</sup>): ..... 33,235

Classification society and notations: ..... Nippon Kaiji Kyokai  
NS\*(CSR, BC-A, BC-XII, GRAB 20, PSCB-WBT, EQ C DG, NC) (ESP) (IWS) (PSCM) (IHM), (SOx(EGCS)), MNS\*(M0), Strengthened for heavy cargo loading where hold No.2 and 4 may be empty, (SOx-EGCS-M/E, G/E(Nos. 1,2,3))

Propulsion  
Main engine(s)  
Design: ..... Kawasaki Heavy Industries  
Model: .. Kawasaki MAN B&W 6S50ME-B9.5  
Manufacturer: .... Kawasaki Heavy Industries, Ltd.  
Number: ..... 1  
Type of fuel: ..... HFO  
Is this a diesel-electric or hybrid?: ..... No  
Propeller(s)  
Material: ..... Ni-Al-Bronze  
Designer/Manufacturer: ...Nakashima Propeller  
Number: ..... 1  
Fixed/Controllable pitch: .....Fixed  
Diesel-driven alternators  
Number: ..... 3  
Engine make/type: ..... Daihatsu Diesel Mfg.

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 composite type  
Make: ..... Osaka Boiler Mfg.

Deck machinery  
Cargo cranes/cargo gear  
Number: ..... 4  
Make: ..... Iknow Machinery  
Type: ..... Jib type  
Performance: ..... 30t x 26m

Mooring equipment  
Number: ..... 2 mooring winch, 2 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 folding type

Ballast control system  
Make: ..... Nakakita Seisakusyo  
Type: ..... Multi control panel

Ballast water treatment system  
Make: ..... Techross 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  
Type: ..... Smoke, thermal, flame

Fire extinguishing systems  
Cargo holds:  
Make/Type: ..... Air Water Safety Service Inc. / CO<sub>2</sub> fire extinguishing system  
Engine room:  
Make/Type: ..... Air Water Safety Service Inc. / CO<sub>2</sub> 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: ..... -29.5%

Contract date: ..... March 2016  
Delivery date: ..... 18 March 2020



