

ADMIRAL SCHMIDT: Mini Capesize bulker

Shipbuilder: Shanghai Shipyard Co	
Vessel's name:	dt &
Country:Latv Designer: .Shanghai Merchant Ship Design	ia &
Research Institute (SDAF Country: Chir Model test establishment used: CSSRC / HSV	ná 'A
Flag: Bahama IMO number: 983883 Total number of sister ships already completed (excluding ship presented): Total number of sister ships still on order:r	38 1 1

Built as the first of two Polar class 'mini Capesize' bulkers by China Shipbuilding Industry Corporation's Shanghai Shipyard for Estonian owner Platano Eesti OÜ, Admiral Schmidt marked the entry into the bulk sector for an owner who previously operated only reefers. The ship was designed by SDARI with input from newbuilding project managers SeaQuest Marine Project Management Ltd. The initial order was for two ships plus one option not exercised. The second vessel, Vitus Bering, was delivered in October 2019. The dimensions of 249.97m loa, 43m beam and

The dimensions of 249.97m loa, 43m beam and draught of 14.3m allows the ship to pass easily through the New Panama locks. Designed to operate in temperatures as low as -25°C, the 104,553dwt Admiral Schmidt features an icebreaker bow with no bulb and winterised equipment including four 40tonne cranes located on the starboard side of the vessel. The vessel has a double hull and is ice-classed to DNV GL PC6. The ship's size and extent of its ice-strengthening will allow it an extremely wide-ranging operational area.

The cranes are an unusual feature on a ship of this size but have been included as the ship is intended to operate in Arctic waters, calling at ports that are not well equipped with cargo handling facilities. The ship has seven holds and hatches, making it more akin to a Panamax than a typical nine-hold Capesize vessel. Although primarily intended for bulk cargoes (including several dangerous cargoes), the ship can carry project cargo and 152TEU on upper deck and 35,000tonnes of steel coils in cargo holds.

Power for *Admiral Schmidt* comes from a single

Power for Admiral Schmidt comes from a single HHM-built WinGD 7X62-B two-stroke main engine which, unusually for a bulk carrier, is connected to a controllable pitch propeller. Tier III NOx emissions are controlled by HP SCR. At maximum continuous revolutions, the engine can output 18,620kW but will mostly operate at 60% and 86rpm to give an operational speed of 14knots. Fuel consumption is around 37.5tonnes of MGO per day.

TECHNICAL PARTICULARS

Length oa: abt. 250m

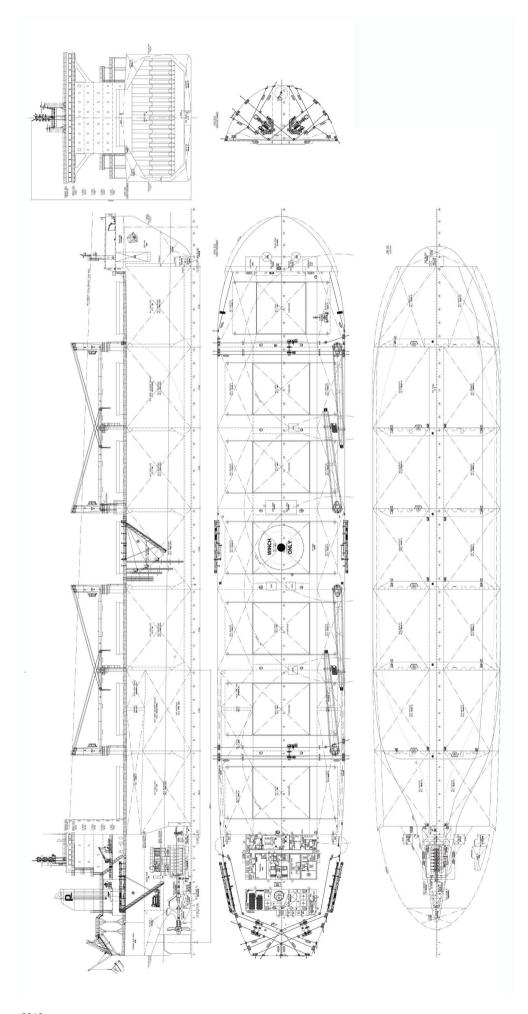
EI
Length bp:241.79m
Breadth moulded:43m
Depth moulded
to main deck:
side:1.3m
bottom: 2.35m
Draught
scantling:
design:
Displacement:
Lightweight:21,804.6t
Deadweight
scantling:
Block co-efficient (please state relevant
drought); " 0.9157
Speed, service:14.08knots (60% MCR) Cargo capacity (m³)
Cargo capacity (m°) Grain:130,468.4m³
Liquid volume:Refrigerated storage:
Bunkers (m ³)
Heavy oil:
Diesel oil: 1.025.7 m ^o
Water ballast:
Main engine only:
Auxiliaries: 4.7t/d
Classification society and notations:DNV-GL +1A, Bulk carrier, BC(A), CSR, Hold 2, 4 and
+1A, Bulk carrier, BC(A), CSR, Hold 2, 4 and
6 may be empty, GRAB(30), COAT-PSPC (B), BIS, LCS, CLEAN (Tier III), Recyclable, EO, BWM-T, TMON(Oil lubricated), ESP, PC(6), DG(B), DBC
BWM-T, TMON(Oil lubricated), ESP, PC(6),
DG(B), DBC
% high-tensile steel used in construction:80% Propulsion
Design:WinGD
Model: WinGD W7X62-B TIER III WITH HP
SCR Low Load Tuning + SPC
Manufacturer:HHM
Number: 1 Type of fuel: HFO (380 cSt/50°C) MGO
Output of each engine:CSR (0.6 CMCR)
9.960kW x 86rpm
Is this a diesel-electric or hybrid?:No
Propeller(s) Material:Cu-Ni-Al
Designer/Manufacturer: Wärtsilä
Number: 1
Fixed/Controllable pitch: Controllable
Diameter:
Diesel-driven alternators
Number:
Engine make/type: CMF-MAN 6L23/30H
Type of fuel: HFO (380 cSt/50°C) MGO Alternator make/type: : CMXD/HFC6
Allomator makertype OlviAD/I ii Oo

Output/speed of each set:1,125kVA
Boilers
Number:
Make:SAACKE
Output, each boiler:5,000kg/h @ 0.7 Mpa;
2,500kg/h + 1,400kg/h @ 0.7Mpa
Stern appendages/special rudders: Ice skate,
Becker Schilling rudder Deck machinery
Cargo cranes/cargo gear
Number:4
Make: MacGregor
Type:Electro-hydraulic
Performance:
Number: 1
Make:CSSC Luzhou Zhenijang
Marine Auxiliary Machinery Co.Ltd
Type:Electric
Tasks:Provision
Performance:
Number:6
Make: MacGregor
Type (electric/hydraulic/steam):Electric
Special lifesaving equipment
Number of each and capacity: 1 free-fall lifeboat 27
Make:Jiaoyan
Type::JYM-FN-6.65
Cargo/capacity
Hatch covers
Design: MacGregor
Manufacturer:
Containers
Total TEU capacity: 152
On deck: 152
Ballast control system
Make:Pleiger Type: Electric-hydraulic package
Ballast water treatment system
Make:Sunrui
Make:Sunrui Capacity:1,800m³/h(per set); 2 sets
Complement
Officers:13
Officers:
Officers: 13 Crew: 11 Supernumaries/Spare: 2
Officers:
Officers:
Officers: 13 Crew: 11 Supernumaries/Spare: 2 Suez/Repair Crew: 1 Single/double/other rooms: Single rooms Navigation and other equipment Bridge control system
Officers:

SIGNIFICANT SHIPS OF 2019

508-84E

ADMIRAL SCHMIDT



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