

# CEMTEX EXCELLENCE – BULK CARRIER



Shipbuilder: **Oshima Shipbuilding Co., Ltd**  
 Vessel's name: **Cemtex Excellence**  
 Owner/Operator: **U-Ming Marine Transport Corporation**  
 Country: **Taiwan**  
 Designer: **Oshima Shipbuilding Co., Ltd**  
 Country: **Japan**  
 Flag: **Republic of China**  
 IMO number: **9919371**  
 Total number of sister ships already completed (excluding ship presented): **1**  
 Total number of sister ships still on order: **2**

**D**elivered as the first of four Post Panamax bulkers for Taiwan-based U-Ming Marine Transport, *Cemtex Excellence* was handed over in March 2022. The second ship in the series, *Cemtex Dominance* followed in June 2022. The remaining two – *Cemtex Eminence* and *Cemtex Unity* are due for delivery in March and June 2023 respectively.

*Cemtex Excellence* has a length of 235m, width of 40m and deadweight of 99,990 metric tonnes. The vessel is in many respects a typical example of the Post Panamax type and is an optimised variant of four similar-sized vessels built by Oshima for other owners. U-Ming has been engaged in a fleet replacement programme for some years and has been disposing of older vessels as new ships are delivered.

*Cemtex Excellence* has a vertical bow form without bulb and seven cargo holds with side rolling hatch covers. Like most of the larger bulkers it is gearless. Grain cubic is 118,908m<sup>3</sup>. Holds 2, 4 and 6 can be used for port ballast and number 4 hold may be flooded for optimum draught and stability purposes when at sea. The tank top is strengthened for heavy cargoes and here holds 2, 4 and 6 can be left empty.

Propulsion is provided by a Mitsui-built MAN B&W 6G60ME-C10.5 main engine producing 10,000kW at 76rpm directly couple to a fixed pitch propeller. Service speed is 14.3kt at 78.1% MCR.

The high quality eco-efficient features and an enhanced digital operation system greatly improves the operating efficiency and safety of the vessel. The increasing size of ships reduces fuel consumption per unit cargo and lowers operating costs. In view of the industry trend towards low-speed operations, speed of navigation is optimised. The narrow streamline design of the bridge also helps to reduce wind resistance.

## TECHNICAL PARTICULARS

Length oa: 235.00m  
 Breadth moulded: 40.00m

Depth moulded  
 to main deck: 20.00m  
 to upper deck: 20.00m  
 Width of double skin  
 side: single hull type for all cargo hold  
 Draught  
 scantling: 14.441m  
 Gross: 54,244  
 Deadweight  
 scantling: 99,990MT

Speed, service (78.1% MCR output): 14.30kts  
 Cargo capacity (m<sup>3</sup>)  
 Grain: 118,908m<sup>3</sup>  
 Bunkers (m<sup>3</sup>)  
 Heavy oil: 2,664m<sup>3</sup>  
 Diesel oil: 406m<sup>3</sup>  
 Water ballast (m<sup>3</sup>): 46,729m<sup>3</sup>

Classification society and notations: CR  
 Classification Society / Nippon Kaiji Kyokai.  
 CR100+E Bulk Carrier, CSR, BC-A (Holds 2,4 and 6 may be empty), GRAB[30], ESP, PSC, PMA, GBS, NR-II, SmartShip(EI), IWS, LCS, BWM, EEDI, SEEMP, SRE, SRE-EU, CMS(CAU)+, PCM.  
 and  
 NS\* (CSR, BC-A, BC-XII, GRAB 30, PSC-PWB, NC)(ESP)(HCM-GBS)(IWS)(PSCM)(IHM) (DSS(CNS, SM)), MNS, Complied with Part CSR-B&T of the Rules for the Survey and Construction of Steel Ships / Strengthened for heavy cargo loading where hold nos.2,4 and 6 may be empty

Propulsion  
 Main engine(s)  
 Design: Mitsui E&S Machinery Co., Ltd  
 Model: Mitsui MAN B&W 6G60ME-C10.5  
 Manufacturer: Mitsui E&S Machinery Co., Ltd  
 Number: 1  
 Type of fuel: HFO  
 Output of each engine: 10,000kW at 76rpm  
 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: Yanmar Co., Ltd  
 Type of fuel: HFO  
 Alternator make/type: Nishishiba Electric Co., Ltd

Boilers  
 Number: 1  
 Type: Vertical cylindrical composite type  
 Make: Osaka Boiler MFG. Co., Ltd  
 Other cranes  
 Number: 2  
 Make: Kyoritsu Kikai Co., Ltd  
 Type: Electric motor driven

Tasks: Machinery parts / Provision / Suez boat handling crane

Performance: 4.0MT  
 Mooring equipment  
 Number: 6-mooring winch, 2-windlass/mooring winch  
 Make: Nippon Pusnes Co., Ltd  
 Type: Electro-hydraulic

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

Cargo/capacity  
 Hatch covers  
 Design: Iknow Machinery Co., Ltd  
 Manufacturer: Iknow Machinery Co., Ltd  
 Type: Weather-tight side rolling type  
 Ballast control system  
 Make: Nakakita Seisakusyo Co., Ltd  
 Type: Multi control panel  
 Ballast water treatment system  
 Make: Sunrui Marine Environment Engineering Co., Ltd

Complement  
 Officers: 9  
 Crew: 14  
 Supernumeraries/Spares: 2

Navigation and other equipment  
 Bridge control system  
 Make: Japan Radio Co., Ltd  
 Is bridge fitted for one-man operation?: No  
 Integrated bridge system: No  
 Radars  
 Number: 2  
 Make: Japan Radio Co., Ltd

Fire detection system  
 Make: Consilium Nittan Marine Ltd  
 Type: Smoke, Thermal, Flame  
 Fire extinguishing systems  
 Cargo holds  
 Type: Sea water fog/jet  
 Engine room  
 Make/Type: Kashiwa Co., Ltd / 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 Co., Ltd Waste shredder/crusher  
 Make: Mitsubishi Chuki Mfg. Co., Ltd  
 Sewage plant  
 Make: Taiko Kikai Industries Co., Ltd

Delivery date: 14 March 2022

