



# MV ORION BAY

## Brief Description

### General

Vessel : MV Orion Bay  
Former Name : Fengli 12  
IMO : 9414474  
Built : 2012  
Builder : Tsuji Heavy Industries Co Ltd,  
China  
Flag : Isle of Man  
Port of Registry : Douglas

### Class / Surveys

Class Society : ABS  
Class Notation : A1, Bulk Carrier, BC-A, AMS,  
TCM, CSR,

Last DD : New Built  
Last SS : New Ship

### Dimensions

LOA : 178.70m  
LBP : 170.00m  
Beam : 28.00m  
Moulded Depth : 14.00m

### Tonnages

NRT : 10,419  
GRT : 19,999  
Suez Net : 18,716.09  
Suez Gross : 20,707.18

**Holds / Hatches** : 5 holds / 5 hatches

**Hatch Sizes** : 1 16.6m x 15.0m  
2,3,4,5 20.8m x 21.0m

### Grain & Bale Capacities

Grain : 40639.4m<sup>3</sup>  
Bale : 38601.5m<sup>3</sup>

Tank Top Strength : 20.0T/m<sup>2</sup>

### Design Loads

No. 1-5 Cargo Hold : 20.0 MT/m<sup>2</sup>

### Hatch Cover Strength

Hatch No. 1 : 2.58mt/m<sup>2</sup>  
Hatch No. 2 : 2.246mt/m<sup>2</sup>  
Hatch No. 3-4 : 2.37mt/m<sup>2</sup>  
Hatch No. 5 : 2.348mt/m<sup>2</sup>

### Loadline Information

| Loadline | TPC  | Freeboard | Draft  | DWT      | Displacement |
|----------|------|-----------|--------|----------|--------------|
| Summer   | 43.5 | 4.184     | 9.816  | 29,996.9 | 38,529.5     |
| Winter   | 43.3 | 4.388     | 9.612  | 29,111.5 | 37,644.1     |
| Tropical | 43.7 | 3.980     | 10.020 | 30,886.0 | 39,444.8     |

TPC at Summer Draft : 43.5

Cargo gear description : 4 hydraulic cranes x 30 tonnes SWL (max outreach, 22m radius)

### Engine Room

Main Engine : MAN B&W 6S42MC7-TII

Fuel Used for Propulsion : HFO 380 cst RMG35

Fuel Used for Generating Plant : HFO 380 cst RMG35

Fuel Used for Incinerator : LSMGO DMA

▪ **CO2 Fitted in Holds**

▪ **Logs Fitted**