



Swire Bulk 39,200 DWT Handysize Eco Bulk Carrier

Optimised cargo handling and fuel efficiency

The China Navigation Company (CNCo), the deep sea ship owning and operating arm of the multi-national Swire group, will be taking delivery of the first of its fully fitted log variant of the innovative, industry leading BDelta39 vessels in mid 2014. Twenty of these vessels are currently on order at Chinese shipyards. All twenty vessels will join CNCo's four non-logger BDelta39s trading on a worldwide basis.

The BDelta39 design will ensure that the vessels meet the highest environmental standards to achieve the lowest fuel consumption per ton-mile.

The attributes of the BDelta39 vessels include:

Main Engine Fuel Efficiency - Computer optimised hull lines, main engine and propeller specially designed to achieve the lowest fuel consumption with maximum efficiency at 70% MCR.

Cargo Handling Efficiency - The four 36t cargo cranes are variable speed MacGregor electric type which use approximately 40-50% less power than similar electro-hydraulic cranes and have approximately 30% faster cycle time.

Reduced Auxiliary Power - Considerable effort has been made to reduce power consumption in all areas of the ship:

- The heat from the exhaust gases of the main engine and two of its three generators is used to make steam to heat the fuel. The speed of the main sea water pumps and engine room fans are automatically adjusted to suit the main engine power and regenerative heat is used to reduce heating for the purifiers;
- Electric winches and windlasses, low powered energy efficient lighting throughout the vessel and advanced navigational systems and a vessel energy management system to enhance navigational safety and minimise fuel consumption;
- Forced draft fans are installed in all holds to improve cargo care and facilitate the carriage of dangerous cargoes in bulk.

Fit for the future - The vessels exceed all current environmental regulations and are equipped with a ballast water treatment system, advanced incinerator and oily water separator plants.

List of BDelta39 Loggers



- *Eredine, Erradale, Erisort, Eriskay*
- *Fengning, Fengtien, Foochow, Funing*
- *Hanyang, Hoihow, Hunan, Hupeh*
- *Liangchow, Lintin, Luchow, Luenho*
- *Pakhoi, Pekin, Poyang, Powan*

The first of the BD39 loggers, M.V. Eredine is scheduled for Q3 2014 with each subsequent vessel following at 2 month intervals.

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| Cargo Capability | Bulk, dangerous goods in bulk, steel coil and products, packaged lumber, project parcels and logs |
| LOA x LBP x B x D | 179.90m x 176.65m x 30m x 10.50m |
| DWT / Draft | 39,200t*/10.70m |
| Class | 100A1 Bulk Carrier, CSR, BC-A {Holds 2, 4 may be empty}, or {Hold 3 may be empty}, GRAB [25], ESP, LI, *IWS, Eco, ShipRight (CM, ACS(B,D)) with the descriptive notes; "ShipRight" (BWMP(S), SCM), "Green Passport" |
| Main Engine | Wartsilla 5RT-flex50-B Tier II, Max MCR 6,050kW @ 99r/min |
| Cruising Range | 18,000 nautical miles |
| Electric Deck Cranes | 4 x 36t SWL @ 26m, 30t in log and in grab mode and 72t when twinned |
| Hold Description | Holds 1 & 5: double skinned holds with hopper sides Holds 2, 3 & 4: double skinned with no side hoppers |
| Hold Sizes | Hold 1: 7,938m ³ Hold 2: 10,774m ³ Hold 3: 10,124m ³ Hold 4: 10,779m ³ Hold 5: 9,390m ³ Total Capacity: Bale 48,918m ³ Grain 50,645m ³ |
| Hatch Covers | Hydraulic folding type double skinned 3.2t/m ² |
| Tank Top Strength | Hold 1, 2, 3, 4 & 5: 20t/m ² |
| Max Steel Coil | 24,210t* in No.2, 3 and 4 holds |

* Approximate figure

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