



# WORLD CARRIER CORPORATION

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## FSO AILSA CRAIG I

**Name of vessel**

Ailsa Craig I

**Previous Name**

Ruby III, Orpheus Asia

**Registry**

Panama

**IMO No. / Call Sign**

8907319 / 3EMW8

**Builders**

IHI Kure, Japan

**Year of Delivery**

30 Dec 1990

2011 Converted to FSO at CSSC Dockyard, Guangzhou, China

**Hull No.**

2995

**Type**

Floating Storage and Offloading Unit, Single Hull

**Classification / Notation**

Russian Maritime Register of Shipping / KM \* FSO

**Deadweight**

272,718 MT

**Length Over All (LOA)**

343.40 m

**Length Between Particulars (LBP)**

322.20 m

**Breadth (Moulded)**

58.00 m

**Depth (Moulded)**

28.55 m

**Draft (Summer)**

19.467 m on full deadweight

**Lightship**

36,672 MT

**GRT / NRT**

150,704 T / 150,204T

**Cargo Capacity**

Total Cargo Capacity : 2,570,201 bbl in two totally segregated grades.

1<sup>st</sup> Grade Capacity : 1,685,066 bbl + Slop Tanks 87,416 bbl

1 Reception Tank, 9 Storage Tanks + 2 Slop Tanks

2<sup>nd</sup> Grade Capacity : 730,803 bbl + Slop Tanks 66,916 bbl

1 Reception Tank, 4 Storage Tanks + 2 Slop Tanks

Gas Oil Storage Capacity : 14,264 Cubic Meters

F. W. Storage Capacity : 2,758 Cubic Meters

**Mooring System**

Permanent 14 points spread mooring system equipped with anti-piracy cobra protective plate

**Export Mooring System**

Tandem export tanker mooring arrangement serviced by a pair of self releasable chain stoppers with load cell and fully computerized readout, alarm and data logger system at CCR

**Loading System**

Fully equipped import platform amidships starboard side with 12" riser connection and E.S.D. system, deluge system, pig receiving system

**Discharge System**

Stern export platform with 16" hose connected to floating export line with E.S.D. system, deluge system and machinery shut down system

**Helideck**

Full Offshore standards as per CAP437 for S92 (12T) serviced by main and independent FOAM System, night landing lights, air band radio

**Accommodation**

Designed to accommodate totally 72 persons crew, visitors and customer suite

**Fire Extinguishing System**

Fully equipped with FWD and AFT independent FOAM & fire pumps

Fixed FOAM fire extinguishing system for Engine and Pump rooms

**Crude Oil Washing System (C.O.W.)**

All cargo tanks are fully equipped with COW machines

**Inert Gas System**

Boiler flue-gas system servicing all cargo tanks

**Fiscal Metering System**

DANIELS designed with 3x16" streams with Smith Metering PD meters 12.000 bbl/Hr each stream. Newly installed in 2012 Emerson Sentinel 600 flow computers, computerized operating monitoring system at CCR, Prover loop with bi-directional sphere

**Cargo Control Room (CCR)**

Integrated with tank radar system with central control console for cargo handling and inline loading software, ESD systems management, response and communications systems, CCTV coverage of import/export platforms, fiscal meter, tandem mooring arrangement, aft hawser tension monitoring system, ODM monitoring system

**Cargo Pumps**

3 steam turbines 4,500 cubic meters/hour

**Cranes**

2 x 20T at 18m – Hydraulic

1 x 20T at 25m – Hydraulic + 2.5T man-riding at 27m

**Propulsion Engine**

1 x DU Sulzer 7RTA 84M / 27520 BHP at 65.5 RPM fully operational

**Power Generator**

4 x Daihatsu 6DLB-26 /1350 PS x 720 RPM diesel engines with alternator 900KW each unit

**Back up Power Systems**

1 x Cummins KTA 38 4G – 800KW at 1800 RPM

1 x Detroit Diesel Engine – 6-71T / 190 KW at 1800 RPM

**Boiler**

1 x IHI – ADM 1007 Capacity 84,000 kg/h , Working pressure:16kg/cm<sup>2</sup>

**Fresh Water Generators**

1 x Sasakura-Atlas AFGU KM 40 capacity 40 tons/day

1 x Reverse Osmosis Unit 75T/day

**Oily Water Separator**

1 x TAIKO UST-20N 2 T/h

**Inmarsat C / Fleet 77**

JRC – JUE-75A

Furuno – FELCOM 70

**Radar**

1 x Tokimec BR-3440CA-S314 S-Band

1 x Tokimec BR-3440CA-X27 X-Band

**ARPA Radar**

2 x Tokimec A-823 (19)

**CCTV Monitoring System**

Bridge control and monitoring system of 18 sectors covering surrounding the FSO

Details given in good faith and are believed to be correct but not guaranteed