



**Name of Vessel;**

CM Mehran

**Port of Registry / Flag;**

Astrakhan/Russian Federation

**IMO# / MMSI**

9307504 / 436000120

**Year of Delivery**

2003

**Type**

Twin Screw Ocean Going Tug.

**Classification**

RMRS, KM \* Tug

(Unrestricted Navigation)

**Length over all (LOA)**

26.80m (24.52m BP)

**Breadth / Depth / Draft (Light/Max)**

8.0m / 3.88m / 3.00m / 3.27m

**GRT / NRT / DWT**

203T / 61T / 454T

**Clear Deck Space**

50m<sup>2</sup>

**Speed**

11.5 knots

**Bollard Pull (Certified)**

44.0 metric tonnes

**Endurance**

21 days

**Accommodation**

Fully heated & air conditioned for 6 men in five cabins.

**Lifesaving**

To meet SOLAS requirements

**Fire Fighting**

To meet SOLAS requirements

**Fuel**

137.3m<sup>3</sup>

**Fresh Water**

50.5m<sup>3</sup>

**Black & Grey Water holding tanks**

25.6m<sup>3</sup>

**Main Engines**

2 x Cummins KTA50 M2HX high speed, sixteen cylinder diesel engines producing 2648kW (3551bhp) total @ 1800 rpm.

**Generators**

2 x 45kW (56KVA) Cummins 4 BT 3.9-G2M diesel generators rotating @ 1500 rpm, 50 Hz.

**M.E. Consumption**

6,950 litres MGO and 18 litres lube oil per 24 hours @ full power. 4,000 litres MGO and 8 litres lube oil per 24 hours @ economic cruising speed of 9.5 knots

**Generator Consumption**

260 litres MGO and 2 litres lube oil per 24 hours

**Propulsion**

2 x ZF Masson RSL-1250 6.01:1 reverse reduction gearboxes coupled to four bladed 2180mm diameter fixed pitch propellers rotating in high Performance Kort Nozzles @ 299.5rpm

**Steering Gear**

STM AT612-517-00 tied electro hydraulic, 5T/M torque, 7.5kW, 35° max rudder angle.

**Anchor Windlass**

STM 226 Q45-23-00 Electric windlass 1.823 ton SWL @ 12 or 4m/min.

**Anchors**

2 x 350 kg short shank HHP Hall's anchors.

**Anchor Chain**

2 x 197.5m 20.5mm U2 stud link chain

**Fendering**

Solid rubber pusher bow and tyre fendering system to facilitate ship handling. Solid rubber band and tyre protection on both vessel parallel sides.

**Towing/Anchor Winch**

STM Single drum electric winch. Type; CB-E46-BF 50 tonnes brake capacity. 600M x 44mm wire and spare wire 600m x 44m

**Deck Machinery**

Bochi Machinery company 100 tonne SWL electro hydraulic flush mounted towing pin and shark jaw unit.

**Cutting Equipment**

Two bottles oxygen and one bottle Propane complete with cutting torch.

**Navigation Equipment**

Radar 1: Furuno Navnet 4 kW X-band  
Radar 2: JRC 2254 4 kW X-band  
Sat Compass: KodenKGC-1  
Echo sounder: Furuno ETR-30R 200Khz  
GPS Navigator: Koden KGP 913  
Mag Compass: Reflecta 4  
AIS: Samyung SI-30

**Communication Equipment**

GMDSS: A3, Sailor 5000 series  
Navtex: Samyung SNX-300  
Emergency VHF: Sailor SP3520 x3  
Hand held VHF: Icom-M36 x2

**Other Navigation Equipment**

Autopilot: Navis -3000.  
Fleetbroadband 150

All details given in good faith and are believed to be correct, but not guaranteed.

The diagram illustrates the general arrangement of the Caspian Mainpot, a supply vessel, across three levels: Navigation Deck, Main Deck, and Bottom.

- Navigation Deck:** Located at the top, it features a compass deck at the stern and a central area with hydraulic power packs and a winch control. Stairs lead down to the main deck.
- Main Deck:** The middle section shows the stern roller, a towing winch, and various crew quarters including the Captain's cabin (CAPT), Engineer's cabin (C.ENG), Mess, Kitchen, and Stateroom (S.B.R.).
- Bottom:** The lower section details the hull structure, including fuel oil tanks (F.O. TANK) numbered P1 through S4, a steering room, engine room, and crew quarters (Crew Room 1, 2, 3, 4). It also shows a forward tank and various structural reinforcements.

The vessel's length is marked from 0 to 45 meters along the bottom view.

CASPIAN MAINPOT		PROJECT		CM MEHRAN SUPPLYVESSEL	
<b>GENERAL ARRANGEMENT</b>					
SIZE	DESIGN	DRAWN	ASM	DWG. NO.	REV
A3				cmvssup-001-15	
SCALE	DATE	12/12/11		SHEET	OFF