



**Name of Vessel**

CM Pelios

**Port of Registry / Flag**

Aktau / Kazakhstan

**IMO Number**

9741229

**Year of Delivery**

2014

**Type**

Twin Screw Ocean Going Tug.

**Classification**

RMRS - KM \* TUG

**Length over all (LOA)** 30m

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

9.6m / 4.6m / 3.4m

**GRT / NRT / DWT**

309T / 92T / 216T

**Clear Deck Space**

90m<sup>2</sup>

**Speed**

12.0 knots

**Bollard Pull (Certified)**

40.75 metric tonnes

**Endurance**

21 days

**Accommodation**

Fully heated & air conditioned for 10 men in five cabins.

**Lifesaving**

To meet SOLAS requirements

**Fire Fighting**

To meet SOLAS requirements

**Fuel**

179.19m<sup>3</sup>

**Fresh Water**

68m<sup>2</sup>

**Treated Sewage holding tank**

58m<sup>3</sup>

**Main Engines**

2 x YANMAR 8N21A medium speed, eight cylinder diesel engines producing 2354kW (3200bhp) total @ 850 rpm.

**Generators**

2 x 139kW (162.5KVA) Stanford UG M274HI driven by 2 x Volvo D7A-ATA diesel engines @ 1500 rpm

**M.E. Consumption**

8,000 litres MGO and 20 litres lube oil per 24 hours @ full power. 5,000 litres MGO and 10 litres lube oil per 24 hours @ economic cruising speed of 10 knots

**Generator Consumption**

240 litres MGO and 4 litres lube oil per 24 hours

**Propulsion**

2 x YANMAR YXH 2000C 3.031:1 reverse reduction gearboxes coupled to four bladed 2300mm diameter fixed pitch propellers rotating in high Performance Kort Nozzles @ 280.5rpm

**Bow Thruster**

2 tonne tunnel thruster

**Sewage Treatment Plant**

CKST 12 PERSON Marpol Compliant

**Steering Gear**

Independent Electro hydraulic, 3T torque

**Anchor Windlass**

Marine Equipment Ltd. Electro/Hydraulic type ME 2.1THWL 22C2506 ton @ 12m/min.

**Anchors**

2 x 570kg stockless Bower anchors

**Anchor Chain**

2 x 200m 22mm U2 stud link chain

**Fendering**

Solid rubber pusher bow and tyre fendering system to facilitate ship handling. Type fenders throughout vessel length.

**Towing/Anchor Winch**

Marine Equipment Ltd. Single drum hydraulic winch. Type; ME 45THTW 120 tonnes brake capacity. 50 metric tonnes line pull @ 10.6 metres per minute. 700M x 44mm wire

**Spare Tow Wire**

600m x 44mm wire on reel

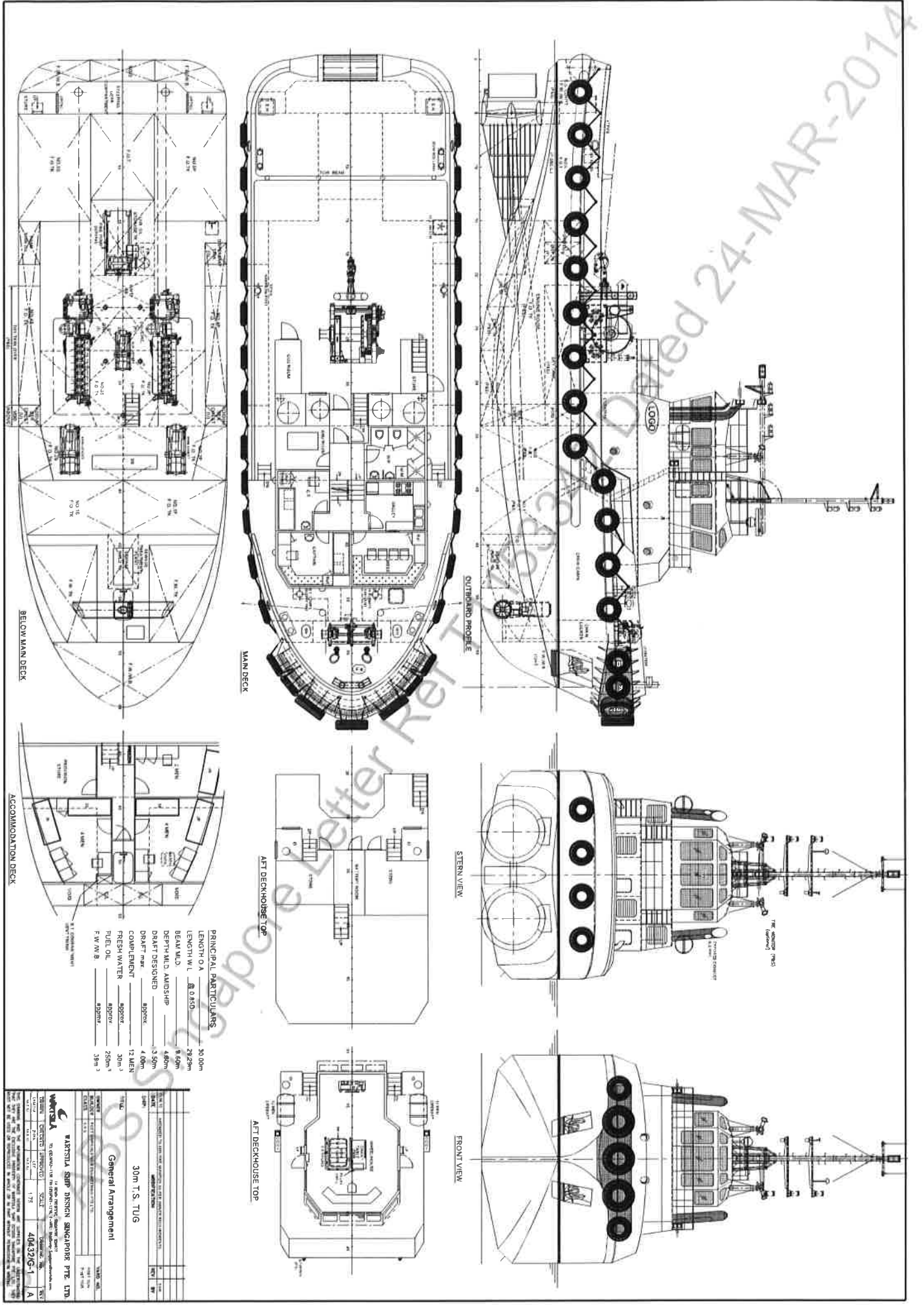
**Navigation Equipment**

Radar: 2 x Furuno FR-1932MK II  
Echo Sounder: Fuso  
Autopilot SIMRAD AP35  
Weather Fax Furuno  
Sat Compass Simrad MX575A  
GPS: Furuno GP 32  
Radio communication equipment  
GMDSS Sailor 5000 series includes: 1x SSB Icom 710  
2x VHF Simrad  
GMDSS Area A1/2/3  
1x SASS built in INM-C  
1x SART McMurdo S4  
1x EPIRB McMurdo E5  
3x GMDSS VHF Radios  
1x Navtex McMurdo

**Other Navigation Equipment**

Radar, Transponder, P.A. System c/w Fog Horn Signal, Anemometer.





**PRINCIPAL PARTICULARS**

LENGTH O/A	30.00m
LENGTH W/L	29.25m
BEAM M/LD	9.60m
DEPTH M/LD, LAUNCHING	4.80m
DRAFT DESIGNED	3.50m
DRAFT MAX	4.00m
COMPLEMENT	12 MEN
FRESH WATER	30m <sup>3</sup>
FUEL OIL	800m <sup>3</sup>
F.W. AV. B	35m <sup>3</sup>

NO.	REVISION	DATE	BY	CHKD.
1	ISSUED FOR TENDER	15/03/2014	...	...
2	...	...	...	...
3	...	...	...	...

**General Arrangement**

**30m TS TUG**

**WARTISLA** SHIP DESIGN SINGAPORE PTE. LTD.

11, ROBINSON ROAD, SINGAPORE 048871

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WWW.WARTISLA.COM

PROJECT NO: 408326-1

SCALE: 1:75

DATE: 15/03/2014

BY: ...

CHKD.: ...

APP: ...

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DATE: ...