



**Name of Vessel**

CM Wulf  
**Port of Registry / Flag**  
 Aktau / Kazakhstan  
**IMO Number / MMSI**  
 8709705 / 436000295  
**Year of Delivery**  
 1987

**Type**  
 Damen designed ultra shallow draft ice classed AHTS built by Husumer Schiffswerft GmbH & Co.

**Classification**  
 RMRS, KM \* Ice 2 Aut 1 Tug/Supply Ship  
**Length over all (LOA)**  
 30.00m (25.50m BP)  
**Breadth / Depth / Draft (Light/Op/Max)**  
 11.0m / 2.5m / 1.30m / 1.50m / 1.70m

**GRT / NRT / DWT**

232T / 69T / 128T

**Clear Deck Space**

104.5m<sup>2</sup>

**Speed (Max / Service)**

8.5 knots / 7.5 knots

**Bollard Pull (Certified)**

20.5 metric tonnes

**Endurance**

21 days

**Accommodation**

Fully heated & air conditioned for 8 men in four cabins.

**Lifesaving**

To meet SOLAS requirements

**Fire Fighting**

Sihi TLHY15102 centrifugal fire pump 199m<sup>3</sup>/hr driven by Caterpillar 3406 DI-I of 224kW @1800rpm. Supplied to 2 Ajax-Albach 372WSA 100LM bridge mounted manual monitors with 90m range @ 12 bar.

**Fuel**

49.8 m<sup>3</sup>

**Fresh Water**

41.4m<sup>3</sup>

**Treated Sewage holding tank**

30.5m<sup>3</sup>

**Oily Bilge Water**

0.3 m<sup>3</sup>

**Main Engines**

2 x Caterpillar 3412DI-TAU high speed, twelve cylinder diesel engines producing 930kW (1247bhp) total @ 1800 rpm.

**Generators**

2 x 46.9kW (58.63KVA), 67 Amps, VEM-Hansa 225 M4 driven by 2 x Deutz F6L 912 @ 1500 rpm

**M.E. Consumption**

4,000 litres MGO and 12 litres lube oil per 24 hours @ full power. 2,500 litres MGO and 8 litres lube oil per 24 hours @ economic cruising speed of 8.5 knots

**Generator Consumption**

250 litres MGO and 2 litres lube oil per 24 hours

**Propulsion**

2 x Reintjes WAF 460 5.95:1 reverse reduction gearboxes coupled to three bladed 1300mm diameter fixed pitch propellers rotating in high performance fixed Kort Nozzles @ 302.5rpm.

**Bow Thruster**

Schottel 360° 'Cone-Jet' Thruster, model SKJ 87 & 138kw. Driven by Caterpillar 3406 DI-I of 224kw@1800rpm. 1.1T thrust.

**Steering Gear**

Krampe & Co GMBH p.max 140 bar

**Anchor Windlass**

Baensch/Damen Shipyard; Type UNL; Nominal torque 1440 Nm.

**Anchors**

Anchor 2 pcs x 360kg

**Anchor Chain**

Chain dia. 17.5, length 75m.

**Bilge-Ballast-Fire Pump**

2 x Sihi AKHK 6101. 25m<sup>3</sup>/hr @ 30m pumping head. 7.5kW, 1450 rpm.

**Fuel Transfer Pump**

2 x Sihi AKHK 6101. 32m<sup>3</sup>/hr @ 15m pumping head. 7.5kW, 1450rpm.

**Freshwater transfer Pump**

2 x Sihi AKHK 5101. 19.5m<sup>3</sup>/hr @ 15m pumping head. 3kW, 1450rpm.

**Sewage Transfer Pump**

Sihi Roto 50 BL ST

**Fendering**

Solid rubber tripple post pusher bow and tyre fendering system to facilitate ship handling. Tyre protection on both vessel parallel sides. Solid rubber twin post pusher stern also fitted for safe efficient close quarter barge handling.

**Deck Crane**

Effer 25000, 3S 3009 HCA 190B. 12.5T @ 2m & 2.0T @ 9.50m.

**Towing/Anchor Winch**

Damian Shipyard single drum hydraulic winch. Type: BH 15 S/N 17037 C Towing force: 15tonn; Hydr.motor: Type MK 44 04700 AO LN 00 00; S/N 611 4 425 379; torque 75Nm/bar; Rat speed 100r/min

**Tow Hook**

Type DCX 100.015.001 15t (not in work)

**Cutting Equipment**

N/A

**Navigation Equipment**

Radar: Kelvin Hughes JRC NVZ

Sat. Compass Furuno

Autopilot: C. Plath

Echo Sounder: Furuno

GPS: Furuno

Anemometer: Nasa Marine

**Radio communication equipment**

GMDSS Sailor 5000 series includes:

1 x SSB Sailor 5100 150W

1 x VHF Sailor

1 x VHF Furuno

2 x Inmarsat-C T&T 3000

1 x SASS built in INM-C

1 x SART

1 x EPIRB Sailor SE 406 II

3 x Two-way emergency VHF Radio

1 x Navtex Furuno

Sat. Phone Sailor

PAGA, Horn Signal, Anemometer.

Fleetbroadband 150.

