

# ICEBREAKING OFFSHORE STANDBY VESSEL “MANGYSTAU-1”



## PRINCIPAL CHARACTERISTICS

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### General

|                |   |
|----------------|---|
| Name           | MANGYSTAU -1  |
| Type           | Shallow draught icebreaking tug / Offshore Standby Vessel   |
| Classification | RINA, C + Offshore support vessel, Tug boat/ Fire fighting ship 1-water spraying, ICEBREAKER with icebreaking capability up to 0.6 m level ice thickness; Unrestricted navigation<br>*+ AUT-UMS, ICE CLASS IA SUPER |
| Flag           | Russian Federation  |
| Year of built  | 2010  |
| Place of built | STX Offshore Braila   |

### Dimensions

|                     |            |
|---------------------|------------|
| Length OA, m        | 66.3       |
| Beam, m             | 16.4       |
| Draft max, m        | 3.0        |
| Clear deck area, m² | 335        |
| GRT / NRT           | 1828 / 548 |

### Performance

|                 |       |
|-----------------|-------|
| Bollard pull, t | 52.00 |
| Speed, kn       | 14.00 |
| Deadweight, mt  | 729   |
| Endurance, days | 20    |

### Propulsion plant

|                            |   |
|----------------------------|---|
| Type                       | Diesel-electric                             |
| Main propulsion units      | 3 x Azimuth Thrusters Schottel SRP2020, FPP |
| Power, kW                  | 3 x 1600                                    |
| Bow thrusters              | 2 x Pumpsjets Schottel PJ550                |
| Power, kW                  | 2 x 550                                     |
| Main generator sets        |   |
| Maker / Type               | 4 x Caterpillar 3512C                       |
| Power, kW                  | 4 x 1780                                    |
| Emergency diesel generator | Caterpillar C-9                             |
| Power, kW                  | 238   |

### Safety equipment

|   |                              |
|---|------------------------------|
| Emergency Response & Rescue vessel capability | Category "B" (300 survivors) |
| Fi-Fi-1 system                                | 2 monitors x 1200 m³/hr      |
| Water curtain system                          |                              |
| Fast rescue crafts                            | 2 x 15 persons               |
| Rescue basket                                 | 1                            |

### Accommodation

|                   |    |
|-------------------|----|
| Crew, berths      | 22 |
| Survivors, berths | 20 |
| Survivors, seats  | 50 |
| Hospital, beds    | 1  |

### Temporary refuge

|   |     |
|---|-----|
| Filtered air breathing system capacity, hours | 4   |
| Capacity, people                              | 322 |
| Min stored breathing air capacity, hours      | 1   |
| Capacity, people                              | 22  |

### Deck equipment

|                           |                                  |
|---------------------------|----------------------------------|
| Deckcrane                 | HMC 1400 LK; 5,0 t @ 15.00 m     |
| Provision crane           | HMC 886 LK; 1,5 t @ 8.00 m       |
| Towing winch              | Adria winch                      |
| Pulling power @ 1st layer | 50 t                             |
| Towing wire               | Length - 600 m, diameter - 48 mm |

### Tanks capacities

|                        |       |
|------------------------|-------|
| Fuel oil tanks, m³     | 411,4 |
| Fresh water tanks, m³  | 197,2 |
| Zero dumping tank, m³  | 80,5  |
| Sewage water tanks, m³ | 267,5 |
| Mud tanks, m³          | 149,1 |
| Oily water, m³         | 150,3 |

Please note: These particulars are believed to be correct, but without guarantee, and they must not be used as basis for Charter Parties or contracts without explicit written authority.



ICEBREAKING  
OFFSHORE  
STANDBY VESSELS  
“MANGYTAU-2”  
“MANGYTAU-3”



PRINCIPAL CHARACTERISTICS

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General

|                |  |
|----------------|--|
| Name           | MANGYTAU - 2,3   |
| Type           | Shallow draught icebreaking tug / Offshore Standby Vessel  |
| Classification | BV, I HULL MACH Tug; Fire fighting ship 1; Special service: North Caspian Sea Icebreaker with icebreaking capability up to 0.6m level ice thickness; Water spraying, Unrestricted navigation AUT-UMS; ICE CLASS 1A* SUPER" |
| Flag           | Republic of Kazakhstan   |
| Year of built  | 2010-2011  |
| Place of built | STX Offshore Braila  |

Dimensions

|                     |            |
|---------------------|------------|
| Length OA, m        | 66.3       |
| Beam, m             | 16.4       |
| Draft max, m        | 3.0        |
| Clear deck area, m² | 210        |
| GRT / NRT           | 1828 / 548 |

Performance

|                 |       |
|-----------------|-------|
| Bollard pull, t | 52.00 |
| Speed, kn       | 14.00 |
| Deadweight, mt  | 727   |
| Endurance, days | 20    |

Propulsion plant

|                            |   |
|----------------------------|---|
| Type                       | Diesel-electric                             |
| Main propulsion units      | 3 x Azimuth Thrusters Schottel SRP2020, FPP |
| Power, kW                  | 3 x 1600                                    |
| Bow thrusters              | 2 x Pujets Schottel PJ550                   |
| Power, kW                  | 2 x 550                                     |
| Main generator sets        |   |
| Maker / Type               | 4 x Caterpillar 3512C                       |
| Power, kW                  | 4 x 1780                                    |
| Emergency diesel generator | Caterpillar C 9                             |
| Power, kW                  | 238   |

Safety equipment

|   |                              |
|---|------------------------------|
| Emergency Response & Rescue vessel capability | Category "B" (300 survivors) |
| Fi-Fi- 1 system                               | 2 monitors x 1200 m³/hr      |
| Water curtain system                          |                              |
| Fast rescue crafts                            | 2 x 15 persons               |
| Rescue basket                                 | 1                            |

Accommodation

|                   |    |
|-------------------|----|
| Crew, berths      | 22 |
| Survivors, berths | 20 |
| Survivors, seats  | 50 |
| Hospital, beds    | 1  |

Temporary refuge

|   |     |
|---|-----|
| Filtered air breathing system capacity, hours | 4   |
| Capacity, people                              | 322 |
| Min stored breathing air capacity, hours      | 1   |
| Capacity, people                              | 22  |

Deck equipment

|                           |                                  |
|---------------------------|----------------------------------|
| Deckcrane                 | HMC 1400 LK; 5,0 t@ 15.00 m      |
| Provision crane           | HMC 886 LK; 1,5 t@ 8.00 m        |
| Towing winch              | Adria winch                      |
| Pulling power @ 1st layer | 50 t                             |
| Towing wire               | Length - 600 m, diameter - 48 mm |

Tanks capacities

|                        |       |
|------------------------|-------|
| Fuel oil tanks, m³     | 601,7 |
| Fresh water tanks, m³  | 99,6  |
| Zero dumping tank, m³  | 64,8  |
| Sewage water tanks, m³ | 97,3  |

Please note: These particulars are believed to be correct, but without guarantee, and they must not be used as basis for Charter Parties or contracts without explicit written authority.



ICEBREAKING

OFFSHORE

STANDBY VESSELS

“MANGYTAU-4”

“MANGYTAU-5”



PRINCIPAL CHARACTERISTICS

[www.coc.kz](http://www.coc.kz)

General

|                |   |
|----------------|---|
| Name           | MANGYTAU - 4,5  |
| Type           | Shallow draught icebreaking tug / Offshore Standby Vessel   |
| Classification | BV, I HULL MACH Tug; Fire fighting ship 1; Special service: North Caspian Sea Icebreaker with icebreaking capability up to 0.6m level ice thickness; Water spraying, Unrestricted navigation AUT-UMS; ICE CLASS 1A* SUPER |
| Flag           | Republic of Kazakhstan  |
| Year of built  | 2011  |
| Place of built | STX Offshore Braila   |

Dimensions

|                     |            |
|---------------------|------------|
| Length OA, m        | 66.3       |
| Beam, m             | 16.4       |
| Draft max, m        | 3.0        |
| Clear deck area, m² | 210        |
| GRT / NRT           | 1828 / 548 |

Performance

|                 |       |
|-----------------|-------|
| Bollard pull, t | 52.00 |
| Speed, kn       | 14.00 |
| Deadweight, mt  | 650   |
| Endurance, days | 20    |

Propulsion plant

|                            |   |
|----------------------------|---|
| Type                       | Diesel-electric                             |
| Main propulsion units      | 3 x Azimuth Thrusters Schottel SRP2020, FPP |
| Power, kW                  | 3 x 1600                                    |
| Bow thrusters              | 2 x Pujets Schottel PJ550                   |
| Power, kW                  | 2 x 550                                     |
| Main generator sets        |   |
| Maker / Type               | 4 x Caterpillar 3512C                       |
| Power, kW                  | 4 x 1780                                    |
| Emergency diesel generator | Caterpillar C 9                             |
| Power, kW                  | 238   |

Safety equipment

|   |                              |
|---|------------------------------|
| Emergency Response & Rescue vessel capability | Category "B" (300 survivors) |
| Fi-Fi-1 system                                | 2 monitors x 1200 m³/hr      |
| Water curtain system                          |                              |
| Fast rescue crafts                            | 2 x 15 persons               |
| Rescue basket                                 | 1                            |

Accommodation

|                   |    |
|-------------------|----|
| Crew, berths      | 22 |
| Survivors, berths | 20 |
| Survivors, seats  | 50 |
| Hospital, beds    | 1  |

Temporary refuge

|   |     |
|---|-----|
| Filtered air breathing system capacity, hours | 4   |
| Capacity, people                              | 322 |
| Min stored breathing air capacity, hours      | 2   |
| Capacity, people                              | 68  |

Deck equipment

|                           |                                  |
|---------------------------|----------------------------------|
| Deckcrane                 | HMC 1400 LK; 5,0 t @ 15.00 m     |
| Provision crane           | HMC 886 LK; 1,5 t @ 8.00 m       |
| Towing winch              | Adria winch                      |
| Pulling power @ 1st layer | 50 t                             |
| Towing wire               | Length - 600 m, diameter - 48 mm |

Tanks capacities

|                        |       |
|------------------------|-------|
| Fuel oil tanks, m³     | 601,7 |
| Fresh water tanks, m³  | 99,6  |
| Zero dumping tank, m³  | 64,8  |
| Sewage water tanks, m³ | 97,3  |

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