

ICEBREAKING OFFSHORE STANDBY VESSEL “MANGYSTAU-1”



PRINCIPAL CHARACTERISTICS

General

| | |
|----------------|--|
| Name | MANGYSTAU -1 |
| Type | Tug / Supply vessel / Fire fighting ship |
| Classification | I*Hull* Mach Offshore support vessel (Supply HNLS) Tug Fire-fighting 1 -water spraying Special service NORTH CASPIAN SEA ICEBREAKER with icebreaking capability up to 0.6 m level ice thickness Unrestricted navigation * AUT-UMS, ICE CLASS IA SUPER |
| Flag | Turkmenistan |
| 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, m ² | 355 |
| 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 Pumjets Schottel RJ550 |
| Power, kW | 2 x 550 |
| Main generator sets | 4 x Caterpillar 3512C |
| Maker / Type | 4 x 1780 |
| Power, kW | |
| 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 m ³ /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, m ³ | 411,4 |
| Fresh water tanks, m ³ | 197,2 |
| Zero dumping tank, m ³ | 80,5 |
| Sewage water tanks, m ³ | 267,5 |
| Mud tanks, m ³ | 149,1 |
| Oily water, m ³ | 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.



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ICEBREAKING OFFSHORE STANDBY VESSEL "MANGYSTAU-3"



PRINCIPAL CHARACTERISTICS

General

| | |
|----------------|---|
| Name | MANGYSTAU - 3 |
| Type | Shallow draught icebreaking tug / Offshore Standby Vessel |
| Classification | BV, I*HULL*MACH Tug; Fire fighting ship1; Special service: North Caspian Sea Icebreaker with icebreaking capability up to 0.6m level ice thickness; Water spraying, Unrestricted navigation |
| Flag | AUT-UMS; ICE CLASS 1A* SUPER" |
| Year of built | Republic of Kazakhstan |
| Place of built | 2011 |
| | STX Offshore Braila |

Dimensions

| | |
|---------------------------------|------------|
| Length OA, m | 66.3 |
| Beam, m | 16.4 |
| Draft max, m | 3.0 |
| Clear deck area, m ² | 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 Pump Jets 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 m ³ /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, m ³ | 601,7 |
| Fresh water tanks, m ³ | 99,6 |
| Zero dumping tank, m ³ | 64,8 |
| Sewage water tanks, m ³ | 97,3 |

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ICEBREAKING OFFSHORE STANDBY VESSELS

“MANGYSTAU-4, MANGYSTAU-5”



PRINCIPAL CHARACTERISTICS

General

| | |
|----------------|--|
| Name | MANGYSTAU - 4, MANGYSTAU -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 |
| Flag | AUT-UMS; ICE CLASS 1A* SUPER |
| Year of built | Republic of Kazakhstan |
| Place of built | 2011 |
| | STX Offshore Braila |

Dimensions

| | |
|---------------------------------|----------|
| Length OA, m | 66.3 |
| Beam, m | 21.4 |
| Draft max, m | 3.0 |
| Clear deck area, m ² | 210 |
| GRT / NRT | 2046/613 |

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 Pumjets Schottel RJ550 |
| 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 m ³ /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 | 70 |

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, m ³ | 601,7 |
| Fresh water tanks, m ³ | 99,6 |
| Zero dumping tank, m ³ | 64,8 |
| Sewage water tanks, m ³ | 97,3 |

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