



Welcome to Royal Wagenborg

Whatever transport is important to your business: Royal Wagenborg has been looking for the most intelligent and reliable transport solutions for more than a century. Royal Wagenborg finds them with committed people and state of the art equipment. Wagenborg, a sign of solutions since 1898.

As an international offshore specialist and with many years of experience in the global oil and gas transport business, Wagenborg Offshore has committed professionals at its heart, carrying out complex logistic projects worldwide.

Wagenborg Offshore is a specialist in shallow water transport and has been operating in the Caspian Sea for decades with its dedicated vessels. The company also has vast experience and knowledge of ice navigation in Baltic and Scandinavian waters.

Wagenborg Offshore has state-of-the-art equipment and technologies that comply with the highest quality industry standards.

WAGENBORG 103

The Ice Classed Barge Wagenborg 103 is an unmanned and non-self propelled barge. The Barge has four holds for transporting drill cuttings, four tanks for liquid mud and another 2 tanks for oily wastewater.

GENERAL

| | |
|----------------|---|
| Owner | Wagenborg Kazakhstan Delfzijl, The Netherlands |
| Yard | Ravestein BV, Deest |
| Classification | Bureau Veritas: I 3/3 (-) *Special Service/Multi purpose pontoon/NP. Deep Sea, Grab loading Flnnish/Swedisch: Ice class 1A Super, Re-classed Russian Maritime Certificate of Registry: KE* |

DIMENSIONS

| | |
|-----------------------------|-----------|
| Length over all | 71.2 m |
| Breadth over all | 16.7 m |
| Depth moulded | 5.5 m |
| Draught Max | 3.8 m |
| Gross tonnage | 1,504 t |
| Displacement at max draught | 3.038 t |
| Deadweight | 2.450 m/t |

MACHINERY

| | |
|--|--|
| 2 x Caterpillar Generator set | |
| Type 3408 C DI-TA | |
| 412 HP (307 kW) at 1.500 rpm | |
| 1 x SISU-VALMET generator set | |
| Type: 320 DG; 41 HP (32 kW) at 1.500 rpm | |

TRANSFER PUMPS

| | |
|----------------------|-----------------------|
| Oily wastewater pump | 100 m ³ /h |
| Ballast pump | 100 m ³ /h |
| Liquid mud pump | 100 m ³ /h |
| Bulk compressor | 75 t/h |

CARGO CAPACITY

| | |
|-----------------|--------------------|
| Oily wastewater | 690 m ³ |
| Cargo diesel | 890 m ³ |
| Cement/barite | 540 m ³ |
| Deck space | 650 m ² |
| Deck space load | 5 t/m |

SPUDPOLES

The barge is equipped with two spudpoles which, 1 SB fore and 1 PS aft. The poles can be used in shallow water only with a maximum water-depth of 5 mtr.

ANCHORS

The barge is equipped with 5 x 1 Ton Delta Flipper anchors, 3 on the foreship (PS, center, SB) and 2 on the aft-ship (PS and SB), only 4 anchors can be handled at the same time.

ACCOMMODATION

Emergency shelter