

# ALP FORWARD | 219<sup>mt</sup> Bollard Pull

## General Data

CALLSIGN

**PBIU**

FLAG

**The Netherlands**

PORT OF REGISTRY

**Rotterdam**

IMO NUMBER

**9367504**

BUILT

**2007 - Müitzelfeldt Yard, Cuxhaven**

DESIGN

**MAN Ferrostaal AG / Hitzler Werft**

CLASSIFICATION

\* **100 A5 E2 Offshore service vessel(AH) Tug DP(2)**\* **MC E2 AUT, FF1**

DP NOTATION

**DP 2**

BOLLARD PULL

**208 mt**

MAXIMUM SPEED

**16,0 kts**

ECO SPEED

**8,5 kts**

## Main Dimensions

LENGTH O.A.

**65,00 mtr**

LENGTH B.P.

**60,27 mtr**

BEAM O.A.

**18,50 mtr**

DEPTH TO MAINDECK

**8,5 mtr**

SUMMER DRAUGHT

**7,50 mtr**

DEADWEIGHT

**3.389 mt**

GROSS TONNAGE

**2.789 mt**

NETT. TONNAGE

**836 mt**

CARGO DECK AREA

**297 m<sup>2</sup>**

DECK LOAD

**10 t / m<sup>2</sup>**

CHAIN LOCKER CAPACITY

**2x 33 m<sup>3</sup>**

## Crew occupation

TOWING – 15 crew | 24 hr DP – 16 crew |

24 AH DP – 17 crew

## Accommodation

TOTAL ALLOWED PERSONS

**24**

CABINS

**Single berth 10****Double berth 6****Four berth 1**

HOSPITAL

**Single berth**

## Equipment

TOWING WINCH

**Electr. driven 150/300 mt @ 10/5 m/min**

BRAKE HOLDING LOAD

**326 mt drum's 1st layer**

DRUM CAPACITY

**1.600 mtr steel rope, 76 mm Ø in 12 layers**

CONTROL

**Remote controlled from bridge**

CABLE LIFTERS

**1x 76 mm Ø and 1x 127 mm Ø**

MAIN TOW WIRES

**1.600 mtr x 76 mm Ø**

SPARE TOWING WIRES

**1.200 mtr x 76 mm Ø**

WORK WIRES

**400 mtr x 76 mm Ø**

STORAGE REEL CAPACITY

**1x 1.600 mtr x 76 mm Ø (Deck) and****1x 1.200 mtr x 76 mm Ø (ER)**

STERN ROLLER

**2.000 mm Ø, total length 5.000 mm, 300 mt SWL**

CAPSTANS

**50 kN at 15 m/min (low speed),****25 kN at 30 m/min (high speed)**

TUGGER WINCHES

**2x 100 kN pull @ 5 - 15 m/min 18 mm Ø**

TOWING PINS

**2x Karmoy set of 2 pins 300 mt SWL**

KARM FORKS

**2x Karmoy, 650 mt SWL,****inserts for chain 50 mm Ø - 125 mm Ø - 165 mm Ø**

QUARTER PINS

**Retractable / Hydraulic**

GIPSY WHEELS

**Main winch STB side fixed 3 inch / 76 mm Ø,****Main winch PORT side fixed 5 inch / 127 mm Ø**

CRANES

**2x Storecrane 5.2 mt SWL / reach 20 mtr**

## Tank Capacities

BALLAST WATER

**323,5 m<sup>3</sup>**

FRESH WATER

**92,2 m<sup>3</sup>**

MAIN ENGINES

**2468 m<sup>3</sup>**

AUXILIARY GENERATORS

**166 m<sup>3</sup>**

ENDURANCE AT FULL POWER

**42 days**

## Machinery

MAIN ENGINES

**2x MAK 6M 32C 3.000 kW, 2x MAK 8M 32C 4.000 kW**

PROPELLERS

**2x CPP Schottel SCP 1194 XC,****4.400 mm Ø in HR nozzles**

RUDDERS

**2x Flap Type High Performance Rudders**

BOW THRUSTERS

**2x Electrically Driven Schottel STT 330 TLK CP,****400 kW, 1.470 Rpm**

STERN THRUSTERS

**1x Electrically Driven Schottel STT 330 TLK CP,****400 kW, 1.470 Rpm**

GENERATORS

**2x Caterpillar 3412 DITA, Leroy Somer LSAM 49.1 M6,****P=532 kW, 625 kVA, 50 Hz, 400 V**

SHAFT GENERATORS

**2x AEM SE 450 L4, P=1.500 kVA**