

# ALP DEFENDER | 305<sup>mt</sup> Bollard Pull

## General Data

CALLSIGN

**PDDE**

FLAG

**The Netherlands**

PORT OF REGISTRY

**Rotterdam**

IMO NUMBER

**9737242**

BUILT

**2017 - NSR Niigata, hull N-0082**

DESIGN

**Ulstein SX 157**

CLASSIFICATION

**DNV+ 1A1 Offshore Service Vessel+, Anchorhandling, Towing, E0, SF, Iceclass 1B, Fifi II, Tmon, Bis, Dynpos-Autr, Naut-OSV(A), Clean design, Comf-V(3), BWM-T, Recyclable**

DP II

**ERN 99, 99, 98, 77**

BOLLARD PULL

**305 mt cont.**

MAXIMUM SPEED

**19,0 knots**

SERVICE SPEED

**12,6 knots**

## Main Dimensions

LENGTH O.A.

**88,90 m**

LENGTH B.P.

**83,40 m**

BEAM O.A.

**21,00 m**

DEPTH TO MAINDECK

**9,50 m**

MAX. DRAUGHT

**8,50 m**

DEADWEIGHT

**4.250 mt**

GROSS TONNAGE

**5.901 mt**

NETT. TONNAGE

**1.771 mt**

CARGO DECK AREA

**550 sqm**

DECK LOAD

**10 mt / sqm max.**

CHAIN LOCKER CAPACITY

**2 x 255,6 cbm**

## Towing / Anchor Handling

TOWING WINCH

**Rolls Royce mod. SL400-3T**

**1st speed: 401 mt @ 0-13 m / min**

BRAKE HOLDING LOAD

**675 mt towing drum's 1st layer**

**675 mt AH drum's 1st layer**

DRUMS

**3 x 2.510 m steel wire, 86 mm**

CONTROL

**Remote controlled from bridge**

CABLE LIFTERS

**2 x 76 mm, 2x 84 mm, 2 x 92 mm**

MAIN TOW WIRES

**1 x 2.000 m x 86 mm on main towing winch**

SPARE TOWING WIRES

**1 x 2.000 m x 86 mm on secondary towing winch**

WORK TOWING WIRES

**1 x 2.000 m x 86 mm on storage reel**

STORAGE REELS

**1 x 2 compartments 2.630 & 620 m 86 mm wire**

**1 x 3 compartments 1.115 m 86 mm wire each**

FIBRE ROPE

**Dismountable storage drum,**

**max. capacity 7.200 m x 203 mm**

STERN ROLLER

**650 mt SWL, 5,50 m length / 4,00 m diameter**

GOG WINCHES

**2 x Rolls Royce - 30 mt pull @ 0-12 m / min**

CAPSTANS

**2 x hydraulic - 13,2 mt pull @ 0-10 m / min**

TUGGER WINCH

**1 x Rolls Royce - 15 mt pull @ 0-30 m / min**

TOWING PINS

**4 x Karmoy 300 mt SWL**

KARM FORKS

**2 x Karmoy 600 mt SWL, various inserts**

POP-UP PINS

**2 x 300 mt SWL**

## Tank Capacities

BALLAST WATER

**3.184 cbm**

FRESH WATER

**308 cbm**

MARINE GAS OIL

**301 cbm**

HEAVY FUEL OIL / MARINE GAS OIL

**3.184 cbm**

## Machinery

MAIN ENGINES

**18.000 kW / 600 rpm**

**4 x 4.500 kW MAK 9M32C**

PROPELLERS

**2 x CPP 5.000 mm in nozzle**

RUDDERS

**High performance Becker rudders**

BOW THRUSTERS

**2 x 1.500 kW @ 228 rpm tunnel thrusters**

STERN THRUSTERS

**2 x 1.050 kW @ 316 rpm tunnel thrusters**

GENERATORS

**3 x 940 ekW, 60Hz auxiliary generators**

**1 x 200 ekW, 60Hz emergency generator**

**2 x 3.150 ekW, 60Hz shaft generators driven from main reduction gear**

## Accommodation

TOTAL CAPACITY

**35 persons**

CABINS

**Single berth 25**

**Double berth 5**

HOSPITAL

**Single berth**

