

236' PSV SEABULK ASIA



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MAIN PARTICULARS

LENGTH OVERALL	72.00 m	236.22 ft
LENGTH BP	66.8 m	219.20 ft
BEAM	16.00 m	52.50 ft
DEPTH	7.00 m	23.00 ft
DRAFT @ SUMMER LWL	5.83 m	19.63 ft

CAPACITIES

DRILL WATER (inc. Brine tanks)	1,316 m ³	347,650 USG
POTABLE WATER	800 m ³	211,338 USG
FUEL OIL	1,024 m ³	270,512 USG
LIQUID MUD (inc. Brine tanks)	967 m ³	255,454 USG
DRY BULK	319 m ³	11,265 ft ³
BRINE	387 m ³	102,235 ft ³
BASE OIL	208 m ³	54,948 USG
DEADWEIGHT	3,310.4 MT	3,258 LT

CARGO DECK

TONNAGE	1,600 MT	1,575 LT
STRENGTH	5 T/m ²	1,024 ft ²
CLEAR AREA	688 m ²	7,408 ft ²

TONNAGE (ITC)

GT	2,148 MT	2,114 LT
NT	1,005 MT	989 LT

MACHINERY

MAIN ENGINES	2 x Bergen KRMB-9
BRAKE HORSEPOWER	2,730HP @ 825 RPM each
REDUCTION GEARS	2 x Ulstein 600 AGSC-KP/500 ND
PROPELLERS	2 x C.P.P 2900 mm diameter
RUDDERS	2 x Ulstein high lift flap type rudders
AUX. GENERATORS	2 x Volvo D103A, 248kW, 440V, 60Hz
SHAFT GENERATORS	2 x Leroy Somer HCM734, 1600kVA, 440V, 60Hz
BOW THRUSTER	2 x Kamewa/Ulstein 590 kW (2 x 800 HP)
STERN THRUSTER(S)	2 x Kamewa/Ulstein 590 kW (1 x 800 HP)

DECK EQUIPMENT

TUGGER WINCHES	2 x Brattvaag hydraulic, 10t, 0-16m/min
CAPSTANS	2 x Brattvaag hydraulic, 8t, 0-18m/min
WINDLASS	1 x 38mm twin cable lifte, 12t - 8t 15 m radius
ANCHORS	2 x 2460 kg plus one spare
ANCHOR CHAINS	2 x 38mm, 267.5 + 220m NVK3
DECK CRANE	1 x ABAS 3t 10/16m radius
ROLL REDUCTION SYSTEM	4 x Ulstein roll reduction tanks

PERFORMANCE

MAXIMUM SPEED	14.60 knots
SERVICE SPEED	12.00 knots
ECONOMICAL SPEED	10.00 knots
FUEL CONSUMPTION AT MAX SPEED	19.5 t/day
FUEL CONSUMPTION AT SERVICE SPEED	13.6 t/day
FUEL CONSUMPTION AT ECONOMICAL SPEED	9.8 t/day
IN PORT	.8 t/day
STANDBY AT SEA W/DP OPERATION	5.3 t/day (2.1 t/day w/out DP)

DISCHARGE RATES

DRILL WATER	130-150 t/hr @ 9 bar
POTABLE WATER	150-200 t/hr @ 9 bar
FUEL OIL	150-200 t/hr @ 90 m per head
LIQUID MUD (2,5 SG)	75 t/hr @ 18 bar
DRY BULK	50 t/hr @ 5.6 bar
BRINE (2,5 SG)	1 x 75 t/hr @ 18 bar
BASE OIL	1 x 150 t/hr @ 9 bar

ACCOMMODATIONS

BERTHS	28 (berths in 13 cabins)	4 x 1 berth cabins
CREW MAX.	16	6 x 2 berth cabins
PASSENGERS	12	3 x 4 berth cabins

ELECTRONICS & CONTROLS

JOYSTICK	RR Poscon Joystick fore and aft
DEPTH SOUNDER	1 x Furuno FE 700
DYNAMIC POSITIONING	DPS Class 2, Rolls Royce ICON
ERN	99.99.87.8
AUTOPILOT	Anschultz Pilotstar D
GMDSS	A3
GMDSS PORTABLE RADIO	3 VHF
DGPS	2 x C-NAV 2050
GYRO	1 x Anschutz 20, 2 x Anschutz 22
RADAR(S)	1 x ARPA Furuno FAR-2835S 10cm 1 x Furuno true motion FR-2115 3cm
INMARSAT-C	1 x Furuno Felcom 15
INMARSAT-B	1 x Felcom 828
SSB	1 x Furuno FS-2570-25 duplex MF/HF 250W
NAVTEX	1 x Furuno NX-560
VHF	2 x Furuno FM-8700 simplex/duplex 25W 1 x Furuno FM-2520 simplex/duplex 25W
VHF PORTABLE	4 x Motorola GP346, 5W

SPECIAL EQUIPMENT – FIRE FIGHTING FIFI 1

EXTERNAL FIFI PUMP	2 x 1500 m ³ /hr
MOB FAST RESCUE BOAT	1 x Norsafe MK-II 25hp, 8 person
MONITORS	2 x 1200 m ³ /hr, electric remote control
THROW HEIGHT/LENGTH	75m / 120 m
LIFERAFT	4 x 25 man capacity inflatable
RESCUE ZONE	2, one on each side
ANTI POLLUTION DISPERSANT	2 x 6m spray boom fitted with suct.from deck storage drums

DOCUMENTATION

CLASS	DNV +1A1, SF, EO, Dynpos AUTR, FIFI-1
FLAG/PORT REGISTRY	Marshall Islands/Majuro
SOLAS	Full
YEAR BUILT	2003
OFFICIAL NUMBER	3381
IMO	9267376
CALL SIGN	V7QK2
BUILDER	BRATTVAAG SKIPSVERFT AS AKER TULCEA SA

This specification is preliminary and subject to change without notice. Exact tank capacities, deadweight, deck cargo capacity and other figures that have been calculated and may change when the actual vessel is delivered.

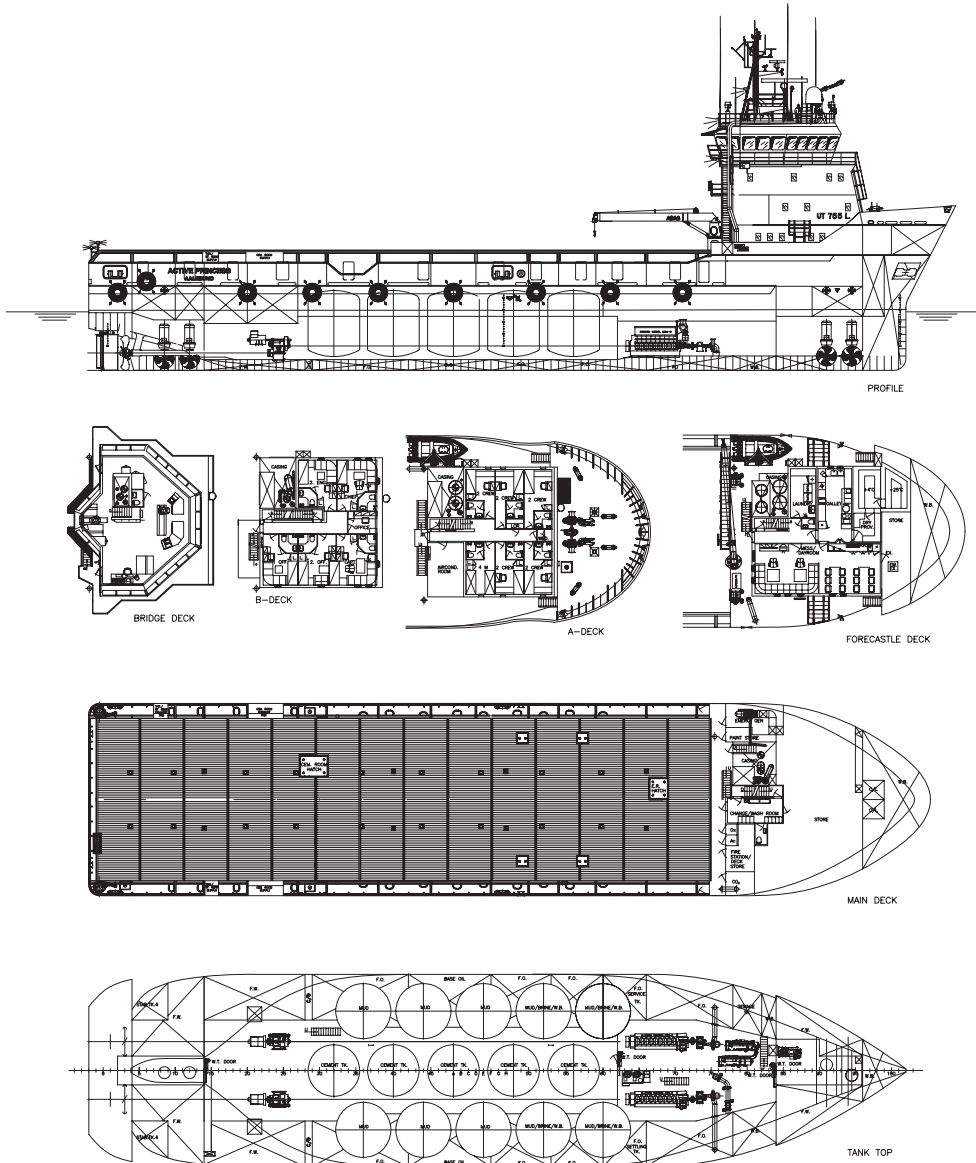


Figure 2: Plot of case 1

Thrusters used	1 2 3 4 5 6 7 8
ERN	99.0
Minimum capability	23.0 m/s
Most critical direction(s)	60
Wave Spectrum	JONSWAP
Wind Wave Relation	DNV
Current Speed	0.75 m/s

