



HAVYARD 832 CD PSV

Vessel Characteristics

| | | |
|--------------------|--|--------------------|
| Length, Overall: | 257.9 ft | 78.6 m |
| Beam: | 57.7 ft | 17.6 m |
| Depth: | 25.3 ft | 7.7 m |
| Maximum Draft: | 21.7 ft | 6.6 m |
| Light Draft: | 10.1 ft | 3.1 m |
| Minimum Height: | 85.3 ft | 26 m |
| Freeboard: | 3.9 ft | 1.2 m |
| Displacement: | 5,910 lt | 6,010 mt |
| Deadweight: | 3,670 lt | 3,730 mt |
| Clear Deck Space: | 182 x 47 ft | 56 x 14 m |
| Clear Deck Area: | 8,610 ft ² | 800 m ² |
| Deck Strength AFT: | 1,020 lb/ft ² | 5 t/m ² |
| Class Notations: | DNV: +1A1, Fire fighter(I+), Clean(Design), COM-F(V-3), DK(+), DYNPOS(AUTR), EO, HL(2.8), LFL(*), NAUT(OSV(A)), OILREC, SF | |

Capacities

| | | |
|----------------------------------|------------------------|----------------------|
| Deck Cargo: | 2,070 lt | 2,100 t |
| Fuel Oil: | 208,000 gal | 790 m ³ |
| Potable Water: | 65,100 gal | 250 m ³ |
| Fresh Water: | 152,000 gal | 580 m ³ |
| Drill/Ballast Water: | 402,000 gal | 1,520 m ³ |
| Bulk Tanks (5 tanks): | 10,400 ft ³ | 300 m ³ |
| Liquid Mud (2.8 SG*): | 6,130 bbl | 970 m ³ |
| *Max Structural Specific Gravity | | |
| Methanol: | 1,120 bbl | 180 m ³ |
| Base Oil: | 970 bbl | 150 m ³ |
| Fire Fighting Foam: | 420 gal | 1.6 m ³ |

TIDEWATER

Find out more

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Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

Pg.5 DP Capability Plot

CARRIER TIDE

Further specifications



Machinery

| Diesel Electric Vessel | | | |
|---------------------------|-----------------------|---------|-------|
| Propulsive/Total HP: | 4,290 / 6,970 | | |
| Z-Drives: | Yes | | |
| Propellers (2): | STP 1212 FPP, 1600KW | | |
| Primary Generators (4): | 1,300 kw | 690 v | 60 hz |
| Driven by: | MTU 12V 4000 M50B | | |
| Emergency Generators (1): | 99 kw | 690 v | 60 hz |
| Driven by: | John Deere 6068 TFM50 | | |
| Bow Thruster (2): | TUNNEL | | |
| Driven by: | 830KW ELECTRIC MOTORS | | |
| Total Thrust: | 27.8 st | 25.2 mt | |

Deck Equipment

| | |
|-----------------|-----------------------------------|
| Anchors (2): | 2850 KG SPEK |
| Anchor Chain: | 250 m of 42 mm chain per side |
| Windlass: | AW42-42K3-2CL-2MD 13.8 M/MIN |
| Crane (1): | 2.9 t @ 10 m |
| Aux. Crane (1): | 1.3 t @ 15 m |
| Capstans (3): | 10 t NMD 2x AFT, 1xFWD @ 14 M/MIN |
| Tugger (2): | 10 t TU10-1MD |

Accommodations

| | |
|---------------------|--------------------------------------|
| No. of Berths: | 25 |
| Cabins: | 13x1-man, 1x2-man, 2x3-man & 1x4-man |
| Certified to Carry: | 25 |
| Galley seating: | 12 |
| Hospital: | Yes |

Registration

| | |
|-------------------|------------------------------|
| Flag: NORWAY | Home Port: SKUDENESHAVN |
| Hull Number: 1684 | IMO N ^o : 9534353 |
| Year Built: 2010 | Call Sign: LAFO8 |
| Builder: | FJELLSTRAND SHIPYARD AS |
| Tonnage (ITC): | 2814 GT 901 NT |

Performance*

| Fuel Consumption Vs Speed | | |
|---------------------------|------------------------------------|------------------|
| Maximum: | 19.5 m³/day (210 gph) @ 13 knots | |
| Cruising: | 14.4 m³/day (160 gph) @ 11.5 knots | |
| Economical: | 11 m³/day (120 gph) @ 10 knots | |
| Standby: | 2.7 m³/day (29.7 gph) @ 0 knots | |
| Range @ 11.5 Knots: | 15,100 nm | |
| Transfer Rates | | |
| Fuel Oil: | 880 gpm @ 300 ft | 200 m³/h @ 92 m |
| Fresh Water: | 880 gpm @ 300 ft | 200 m³/h @ 92 m |
| Drill/Ballast Water: | 880 gpm @ 300 ft | 200 m³/h @ 92 m |
| Bulk: | 34.8 cfm @ 190 ft | 59.1 m³/h @ 57 m |
| Liquid Mud: | 440 gpm @ 800 ft | 100 m³/h @ 240 m |
| Base Oil: | 440 gpm @ 300 ft | 100 m³/h @ 92 m |
| Brine: | 440 gpm @ 800 ft | 100 m³/h @ 240 m |
| Methanol: | 330 gpm @ 300 ft | 75 m³/h @ 92 m |

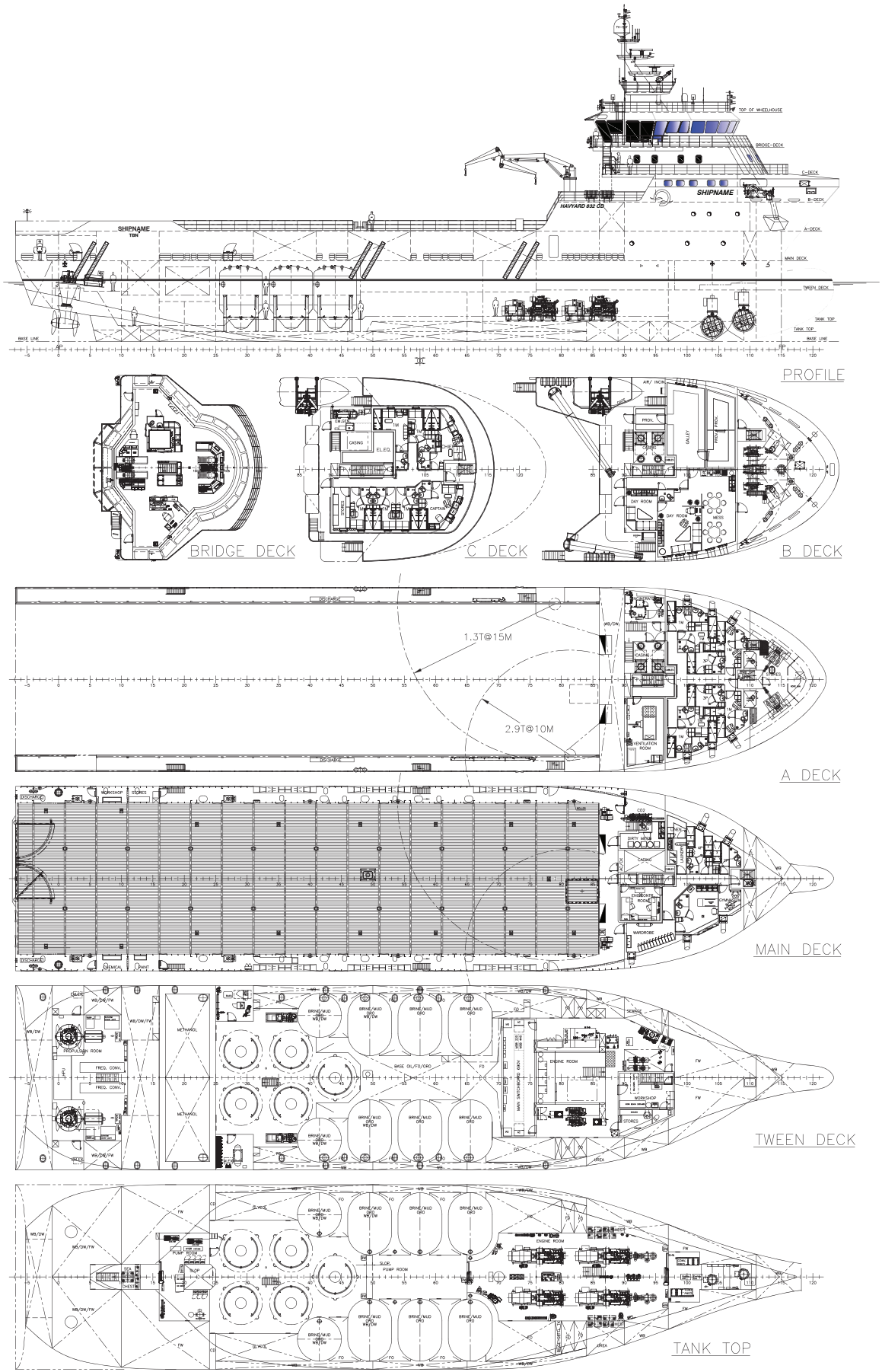
Nav/Comms Equipment

| | |
|------------------------|------------------|
| Radar(s): | 2 |
| Depth Sounder: | 1 |
| Gyro Compass: | 3 |
| Wind Speed Indicators: | 2 |
| Doppler Log: | 1 |
| Radio: | 4 x VHF; 1 x SSB |
| Sat Com: | INMARSAT-C |

Special Equipment

| | |
|--|--|
| Firefighting: | FiFi-1 |
| Dynamic Positioning: | DP-2 |
| Ref. Systems: | 2 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based |
| Mud Circulation System/ Mud Mixers: | Yes/Yes |
| Tank Cleaning: | Yes |
| Rescue Boat: | 6-Man SOLAS MOB |
| Reefer Sockets: | 15x 220V 16A, 3x 440V 32A |
| Misc: | MSD; ORO Capacity - 1129.2 m³; Glycol Capacity - 156.0 m³ |

*Approximate values assuming Ideal Conditions



Capacity Table



*Capacities shown are for lead vessel. Actual capacities may vary slightly.
 *Capacities shown in **RED** are excluded from the total volume.
 *Capacities shown in **BLUE** are included in another Tank's Capacity.
 *Capacities shown in **GREEN** are counted for multiple Tank Capacities.



Kongsberg Maritime AS

6 RESULTS

6.1 Case 1

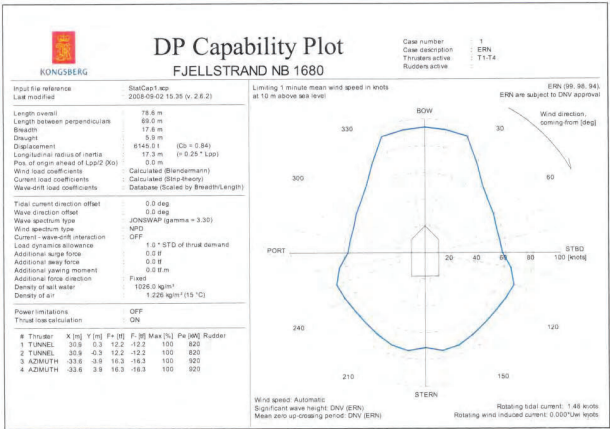


Figure 10: DP capability envelope for case 1.