

# SCOTSMAN TIDE



## PSV 08 CD CLASS

### Vessel Characteristics

Length, Overall:	268 ft	81.7 m
Beam:	59.1 ft	18 m
Depth:	25.6 ft	7.8 m
Maximum Draft:	21.3 ft	6.5 m
Light Draft:	10.8 ft	3.3 m
Minimum Height:	110 ft	34.4 m
Freeboard:	4.3 ft	1.3 m
Displacement:	6,640 lt	6,750 mt
Deadweight:	3,840 lt	3,910 mt
Clear Deck Space:	182 x 49 ft	55 x 15 m
Clear Deck Area:	8,720 ft <sup>2</sup>	810 m <sup>2</sup>
Deck Strength AFT:	2,050 lb/ft <sup>2</sup>	10 t/m <sup>2</sup>
Class Notations:	DNV: +1A1, Fire fighter(I), Offshore service vessel(-Supply), Clean(Design), COMF(V-3) DK(+), DYN-POS(AUTR), EO, HL(2.8), Ice(C), NAUT(OSV(A)), SF	

### Capacities

Deck Cargo:	2,430 lt	2,470 t
Fuel Oil:	245,000 gal	930 m <sup>3</sup>
Potable Water:	37,000 gal	140 m <sup>3</sup>
Fresh Water:	117,000 gal	440 m <sup>3</sup>
Drill/Ballast Water:	506,000 gal	1,920 m <sup>3</sup>
Bulk Tanks (4 tanks):	8,860 ft <sup>3</sup>	250 m <sup>3</sup>
Liquid Mud (2.8 SG*):	7,990 bbl	1,270 m <sup>3</sup>
*Max Structural Specific Gravity		
Methanol:	630 bbl	99.9 m <sup>3</sup>
Base Oil:	2,010 bbl	320 m <sup>3</sup>
Fire Fighting Foam:	660 gal	2.5 m <sup>3</sup>

## TIDEWATER

Find out more

[tdw.com](http://tdw.com)

Pg.2 Further Specifications  
Pg.3 General Arrangement

Pg.4 Capacity Table  
Pg.5 DP Capability Plot

**NOTICE:** The data contained herein is provided for convenience of reference to allow users to determine the suitability of the Company's equipment. The data may vary from the current condition of equipment which can only be determined by physical inspection. Company has exercised due diligence to insure that the data contained herein is reasonably accurate. However, Company does not warrant the accuracy or completeness of the data. In no event shall Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.

LAST UPDATE: 11/17/2023



Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	5,360 / 9,860		
Z-Drives:	Yes		
Propellers (2):	AZP 100RRM AZIPULL, 2000KW		
Primary Generators (3):	2,350 kw	690 v	60 hz
Driven by:	STX 7L27/38		
Emergency Generators (1):	130 kw	690 v	60 hz
Driven by:	JOHN DEERE 6068 AFM75		
Bow Thruster (3):	FU-74-LTC-2000 TUNNEL		
Driven by:	800KW ELECTRIC MOTORS		
Total Thrust:	271 st	24.6 mt	

Deck Equipment

Anchors (2):	3300 KG SPEK - M
Anchor Chain:	250 m of 46 mm chain per side
Windlass:	2x RR MW F100/AW 46
Crane (1):	5 t @ 10 m
Aux. Crane (1):	1 t @ 10 m
Tugger (2):	10 t RR MWF100 @ 20 M/MIN

Accommodations

No. of Berths:	30
Cabins:	12x1-man & 9x2-man
Certified to Carry:	30
Galley seating:	16
Hospital:	Yes

Registration

Flag: ISLE OF MAN	Home Port: DOUGLAS	
Hull Number: 749	IMO N <sup>o</sup> : 9616187	
Year Built: 2012	Call Sign: 2FHU5	
Builder:	STX OSV Langsten	
Tonnage (ITC):	3527 GT	1433 NT

Performance\*

Fuel Consumption Vs Speed		
Maximum:	21.6 m³/day (240 gph) @ 15 knots	
Cruising:	14.8 m³/day (160 gph) @ 12 knots	
Economical:	10.8 m³/day (120 gph) @ 10 knots	
Standby:	4.1 m³/day (45.1 gph) @ 0 knots	
Range @ 12 Knots:	18,000 nm	
Transfer Rates		
Fuel Oil:	1,100 gpm @ 300 ft	250 m³/h @ 90 m
Fresh Water:	1,100 gpm @ 300 ft	250 m³/h @ 90 m
Drill/Ballast Water:	1,100 gpm @ 300 ft	250 m³/h @ 90 m
Bulk:	36.9 cfm @ 190 ft	62.7 m³/h @ 57 m
Liquid Mud:	440 gpm @ 300 ft	100 m³/h @ 90 m
Base Oil:	440 gpm @ 300 ft	100 m³/h @ 90 m
Brine:	440 gpm @ 300 ft	100 m³/h @ 90 m
Methanol:	330 gpm @ 300 ft	75 m³/h @ 90 m

Nav/Comms Equipment

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

Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 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:	10-Man FRC
Misc:	ORO Capacity - 1142.5 m3; Special Prod. Capacity - 98.8 m3; MSD; HiPAP Trunk

\*Approximate values assuming Ideal Conditions





Tank	Contents	Volume m <sup>3</sup>	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
1 FOREPEAK TK	DW/WB	99.3				99.3								
4 WB DB 1 SB	DW/WB	63.6				63.6								
5 WB DB 1 PS	DW/WB	59.9				59.9								
9 WB DB 2 PS	DW/WB	43.2				43.2								
10 WB DB 2 SB	DW/WB	49.2				49.2								
11 WB DB 3 PS	DW/WB	59.0				59.0								
12 WB DB 3 SB	DW/WB	59.0				59.0								
13 WB DB 4 PS	DW/WB	69.3				69.3								
14 WB DB 4 SB	DW/WB	69.3				69.3								
15 WB DB 5 PS	DW/WB	66.2				66.2								
16 WB DB 5 SB	DW/WB	63.9				63.9								
21 WB WT 2 PS	DW/WB	39.9				39.9								
28 WB WT 3 SB	DW/WB	33.7				33.7								
30 WB WT 4 SB	DW/WB	42.1				42.1								
31 WB WT 3 PS	DW/WB	33.7				33.7								
32 WB WT 5 SB	DW/WB	54.3				54.3								
33 WB WT 4 PS	DW/WB	42.1				42.1								
34 WB WT 6 SB	DW/WB	38.4				38.4								
35 WB WT 5 PS	DW/WB	54.3				54.3								
37 WB WT 6 PS	DW/WB	38.4				38.4								
38 AFT PEAK SB	DW/WB	82.2				82.2								
41 AFT PEAK PS	DW/WB	82.2				82.2								
70 STAB 1	DW/WB	145.2				145.2								
72 STAB 2	DW/WB	197.6				197.6								
78 WB CD	DW/WB	311.2				311.2								
85 WB WT 2.5 PS	DW/WB	17.9				17.9								
20 FW WT 2L PS	FW	44.3						44.3						
22 FW WT 2 SB	FW	55.9						55.9						
24 FW DB 3 C	FW	62.4						62.4						
36 FW WT 7 SB	FW	78.1						78.1						
39 FW WT 7 PS	FW	78.1						78.1						
76 FW WT 1U SB	Ship's FW	69.8					69.8							
77 FW WT 1U PS	Ship's FW	70.4					70.4							
80 FW WT 2.5 SB	FW	70.4						70.4						
84 FW DB 4 C	FW	55.5						55.5						
40 FO 5 SB	FO	103.4		103.4										
43 FO 5 PS	FO	102.4		102.4										
46 FO 3 SB	FO	70.3		70.3										
48 FO 2 SB	FO/BO	125.7	125.7	125.7										
49 FO 3 PS	FO	70.3		70.3										
51 FO 2 PS	FO/BO	193.5	193.5	193.5										
54 FO 1 SB	FO	45.0		45.0										
55 FO OVERFLOW	FO	45.7		45.7										
56 FO 4 SB	FO	60.8		60.8										
59 FO 1 PS	FO	81.1		81.1										
61 FO 4 PS	FO	64.6		64.6										
71 FO SETTLE	FO	23.5		23.5										
73 FO SERVICE 2	FO	21.4		21.4										
75 FO SERVICE 11	FO	9.1		9.1										
102 FO SERVICE 12	FO	9.3		9.3										
58 METH TK PS	METH/ORO	49.8									49.8			
60 METH TK SB	METH/ORO	50.1									50.1			
63 SPEC PROD PS	SP/ORO	49.4												
65 SPEC PROD SB	SP/ORO	49.4												
42 MUD TK 1 SB	LM/ORO	162.4								162.4				
44 MUD TK 2 SB	LM/SLOP	162.9								162.9				
45 MUD TK 1 PS	LM/ORO	162.4								162.4				
47 MUD TK 2 PS	LM/BR	162.9								162.9				
50 MUD TK 3 SB	LM/ORO	162.4								162.4				
53 MUD TK 3 PS	LM/ORO	162.4								162.4				
81 MUD TK 4 PS	LM/ORO	147.1								147.1				
82 MUD TK 4 SB	LM/ORO	147.1								147.1				
66 CEM 1	DRY BULK	62.7			62.7									
67 CEM 2	DRY BULK	62.7			62.7									
68 CEM 3	DRY BULK	62.7			62.7									
69 CEM 4	DRY BULK	62.7			62.7									
FOAM TANK	FOAM	2.5											2.5	
100 LO TK 2	LO	3.4										3.4		
23 LUBOIL	LO	4.2										4.2		
27 LUBOIL	LO	11.2										11.2		
97 LO TANK	LO	3.4										3.4		
Total Volume [m <sup>3</sup> ]			319.2	1,026.1	250.8	1,915.1	140.2	444.7	0.0	1,269.6	99.9	22.2	2.5	0.0
Spec Sheet Total Volume [m <sup>3</sup> ]			319.2	962.8	250.8	1,915.1	140.2	444.7	0.0	1,269.6	99.9	22.2	2.5	0.0

\*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.





Run : All intact

