

REM CRUSADER

– A LARGE AND MODERN PSV



BOWER

Rem Crusader has large under deck capacity for bulk and 1,005m² free deck area with deck strength 10t/m².

The vessel is diesel electric powered and can be operated with a Onshore Power System enabling the vessel to operate on shore power during loading/unloading ashore. The vessel is certified with DNV according to Clean Design and with high comfort class (C-3, V-3). The vessel is equipped with Blue Energy Management System to manage and optimize vessel energy consumption.

Top Features

- Large liquid bulk cargo capacities
- Large dry bulk cargo capacities
- Mud tanks with segregations
- Large ORO capacity - NOFO 2005
- Hydraulic driven agitators in each mud tank
- Tank washing in Mud, Brine, Special Product and Slop tanks
- Quiet & comfortable accommodation
- Onshore Power System - 690VAC/ 600A/ 60Hz

Key Specifications

Deadweight:	5,433 t
Large Deck Load Capacity:	TDB
Free Deck Area:	1,005 m ²
Brake Horsepower:	10,341 BHP/ 7,604 kW
ESI number:	TDB
DP Capability L1:	TDB
ERN:	26 TDB

General information

Vessel name	REM CRUSADER
Built	Hellesøy Yard, 2010
Flag	NIS
Call Sign	TBD
IMO No.	9462770
Class	DNV
Class Notation	1A1, Ice C, Dynpos (AUTR), Clean (Design), COMF (C-3, V-3), EO, LFL, SF, Oil Rec, DK(+), HL(P), Compliance to NAUT(OSV(A))

Dimensions

Length (LOA)	85.0 m
Beam	20.0 m
Summer Draft	TBD
Free Deck Area	1,005 m ²
Deadweight	5,433 t
GT (ITC 69)	4,366 t



Deck Capacities

Deck Load Capacity	2,800 t
Deck Strength	10 t/m ²
Gross Deck area	1,005 m ²
Net Deck Area	1,005 m ²
Deck dimensions	60.6 m x 16.8 m

Deck equipment

Windlass	2 off Windlass Mooring Winch
Tugger Winches	2 off tugger winch 15 ton
Capstans	2 off Capstan, 8 ton
Cargo Securing	Winches 6 off Securing winches, 3 ton
Deck Crane, PS	1 off TTS Marine GPK-115, 3 ton - 13 m
Deck Crane, SB	1 off TTS Marine GPT-80, 3 ton - 13 m
FRC Davit	1 off HLT 3 500 TTS
FRC	1 off FRC 10 person
Reefer Sockets	12 x EX 230V 16 Amp
Life Rafts	Viking, 4 x 25 person

Engine & Propulsion

Main generator	4 x 1,901 kW Caterpillar 3516
Main propellers	2 x 2,300 kw Steerprop FC
Bow Trusters	2 x 1,000 kW Brunvoll
Bow Thruster Azimuth	1 x 800 kW Brunvoll Retractable

Accommodation

Person capacity	23 persons
Cabins	13 x 1-man + 5 x 2-man

Tank capacities

Fuel Oil	903.5 m ³ (2 x 0-150 m ³ / h)
Base Oil	203.0 m ³ (2 x 0-100 m ³ / h)
Mud, SG 2,8	702.9 m ³ (4 x 0-100 m ³ /h)
Brine, SG 2,5	418.0 m ³ (2 x 0-150 m ³ / h)
FW	1007.3 m ³ (2 x 0-15 0 m ³ / h)
Methanol LFL*	145.5 m ³ (1 x 0-7 5 m ³ /h)
Special Product LFL*	146.0 m ³ (1 x 0-75 m ³ /h)
Dry Bulk	440.0 m ³ (2 x 30 m ³ / h)
Slop	186.8 m ³ (2 x 0-100 m ³ / h)
DW/ BW	2470.0 m ³ (2 x 0-150 m ³ / h)
ORO	1803.2 m ³ (2 x 0-100 m ³ /h)

Dynamic position system

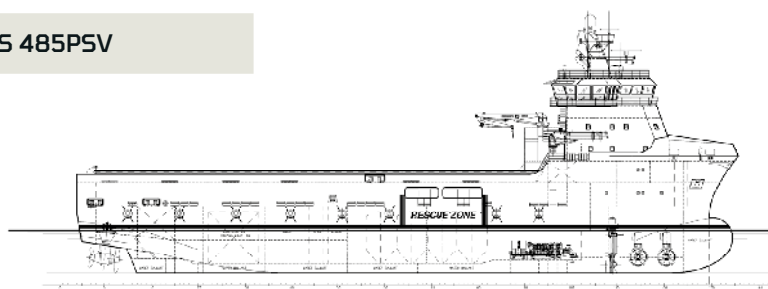
Type	Kongsberg DP11 K-pos
Reference system	1 x Fanbeam Mk4.2, 2 x DPS 20 0cm, 1 x RadaScan
Motion Reference	3 x Anschütz 22, 1 x MRU2, 1 X MRU5 2 x Windsensor Gill

Performance

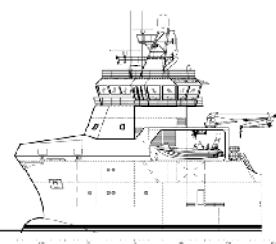
Max Speed	15.4 knop - 24.0 t/ 24 h
Transit Speed	14 knop - 19.5 t/ 24 h
Eco Speed	10 knop - 9.2 t/ 24 h
DP Operation	3.4 t/ 24 h
Standby outside Safety Zone	0/1.8 t/ 24 h
Port - Shore Power/ Engine	0/1.8 t/ 24 h



VS 485PSV



PROFILE SR

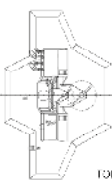


PROFILE PS

HIFI PLATFORM



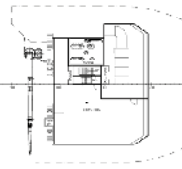
TOP OF WHEELHOUSE



BRIDGE DECK



D-DECK



C-DECK



B-DECK



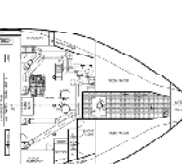
A-DECK



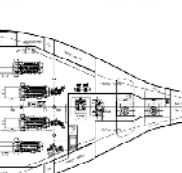
1st DECK



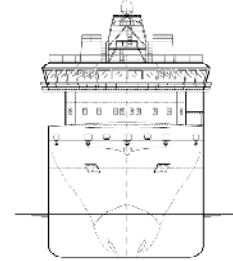
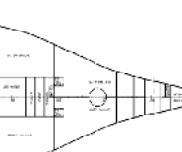
2nd DECK



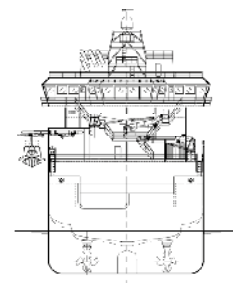
BELOW 2nd DECK



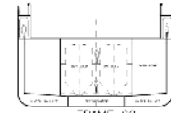
BELOW TANKTOP



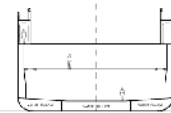
FRONT



A-T VIEW



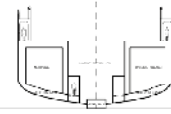
FRAME 69



FRAME #55



FRAME 30



FRAME 28

CARON PLAN

Item	Unit	Value
Length	m	48.50
Breadth	m	12.50
Depth	m	10.00
Height	m	15.00
Weight	kg	1000000

PRINCIPAL PARTICULARS

Length	48.50 m
Breadth	12.50 m
Depth	10.00 m
Height	15.00 m
Weight	1000000 kg



PLATFORM OUTLAY VESSEL	VS485 PSV
GENERAL ARRANGEMENT	1:500
Scale	1:500
Sheet No.	101
Sheet Title	3748
Sheet Subtitle	101-001

Tank capacities @ 100%														
Tank no	Description	SG	Volume	BW/ DW	FW	FO	Mud	Brine	Base Oil	Methanol	Special Product	Dry bulk	Slop	ORO
		t/m³	m³	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	m³
01C	Forepeak	1.025	110.30	113.06										
201P	DB tk. PS	1.025	65.00	66.63										
202S	DB tk. SB	1.025	65.00	66.63										
203P	DB tk. PS	1.025	72.40	74.21										
204S	DB tk. SB	1.025	72.40	74.21										
231C	Roll red. Tk. C	1.025	159.60	163.59										
31P	L-tank PS	1.025	138.70	142.17										
32S	L-tank SB	1.025	132.70	136.02										
33P	L-tank PS	1.025	135.70	139.09										
34S	L-tank SB	1.025	135.70	139.09										
402C	DB tk. C	1.025	90.50	92.76										
41P	L-tank PS	1.025	154.90	158.77										
42S	L-tank SB	1.025	154.90	158.77										
501C	Skeg tk. C	1.025	109.30	112.03										
51P	WB Cofferdam PS	1.025	190.70	195.47										
52S	WB Cofferdam SB	1.025	190.70	195.47										
64C	Roll red. Tk. C	1.025	439.90	450.90										
73C	Aftpeak DB tk. C	1.025	51.90	53.20										
11P	Deep tk. PS	1.000	62.60		62.60									
11S	Deep tk. SB	1.000	62.60		62.60									
21P	Wing tk. PS	1.000	103.06		103.06									
22S	Wing tk. SB	1.000	103.06		103.06									
301C	DB tk. C	1.000	84.30		84.30									
302C	DB tk. C	1.000	76.60		76.60									
61P	Deep tk. PS	1.000	110.50		110.50									
62S	Deep tk. SB	1.000	110.50		110.50									
71P	Aft Wing tk. PS	1.000	36.80		36.80									
72S	Aft Wing tk. SB	1.000	35.00		35.00									
74C	Stern tank C	1.000	120.60		120.60									
216P	FO tk. A-deck	0.850	3.30			2.81								
217S	FO tk. 1st deck	0.850	1.20			1.02								
321P	FO Settling tk. 1PS	0.850	22.30			18.96								
322S	FO Settling tk. 2 SB	0.850	24.20			20.57								
323P	FO Service tk. 1PS	0.850	18.70			15.90								
324S	FO Service tk. 2 SB	0.850	19.80			16.83								
410C	FO Overflow tk. C	0.850	65.70			55.85								
411C	FO Deep tk. C	0.850	168.50			143.23								
412C	FO Deep tk. C	0.850	168.50			143.23								
510C	FO Deep tk. C	0.850	297.10			252.54								
63C	FO Deep tk. C	0.850	112.30			95.46								
325P	Liquid Mud tk. 1PS	2.800	119.50				334.60							119.50
326S	Liquid Mud tk. 2 SB	2.800	119.50				334.60							119.50
327P	Liquid Mud tk. 3 PS	2.800	116.00				324.80							116.00
328S	Liquid Mud tk. 4 SB	2.800	116.00				324.80							116.00
329P	Liquid Mud tk. 5 PS	2.800	116.00				324.80							116.00
330S	Liquid Mud tk. 6 SB	2.800	116.00				324.80							116.00
425P	Brine tk. 1PS	2.500	209.00					522.50						209.00
426S	Brine tk. 1SB	2.500	209.00					522.50						209.00
421 P	Base Oil tk. 1PS	0.871	101.90						88.70					101.90
422 S	Base Oil tk. 2 SB	0.871	101.90						88.70					101.90
521P	Methanol	0.800	145.50							116.40				145.50
522S	Special Product	1.200	146.30								175.56			146.30
311P	BHS tk. 1PS	2.160	55.00									118.80		
312S	BHS tk. 2 SB	2.160	55.00									118.80		
313P	BHS tk. 3 PS	2.160	55.00									118.80		
314S	BHS tk. 4 SB	2.160	55.00									118.80		
315P	BHS tk. 5 PS	2.160	55.00									118.80		
316S	BHS tk. 6 SB	2.160	55.00									118.80		
317P	BHS tk. 7 PS	2.160	55.00									118.80		
318S	BHS tk. 8 SB	2.160	55.00									118.80		
424P	Mud Slop PS	2.500	93.40									233.50	233.50	93.40
424S	Mud Slop SB	2.500	93.40									233.50	233.50	93.40
	ORO		1 803.40											1 803.40
	All capacities @ 100%			2 532.06	905.62	766.36	1 968.40	1 045.00	177.41	116.40	175.56	1 417.40	467.00	1 803.40