



The J.J. Ugland
Companies

MV JUANITA

Salt 100 PSV - Platform Supply Vessel



OWNER: Ugland Supplier AS
OPERATOR: Ugland Offshore AS
TECHNICAL MANAGER: Ugland Marine Services AS

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BUILT BY: Kleven Verft AS
YEAR BUILT: 2014

JUANITA Salt 100 - Platform Supply Vessel

Main description

Type of vessel	Supply vessel
Classification	Bureau Veritas. Oil recovery supply vessel HNLS-FP<=60c -oil, COMF-NOISE3, COMF-VIB 3, AUT-UMS, SYS-NEQ-OSV, MON-SHAFT, CLEANSHIP SUPER (BWT,OWS -5 ppm), ICE CLASS ID, OPS, battery system, INWATERSURVEY, DYNAPOS AMI/AT R, SDS
NOFO	2009
Stand-by	NMD - 225 survivors
Place of build	Kleven Maritime AS, Norway
Year of build	04/2014
Flag	NOR
Design company	Salt 100 Ship Design Norway
Yard number	361
IMO number	9665011
Call sign	LDLA
Shipowning company	Ugland Supplier AS J. M. Uglands vei 20, N-4878 Grimstad, Norway

Measurements

Length overall	88.90 m
Length between perpendiculars	81.10 m
Breath moulded	20.00 m
Draft mid. main deck	8.80 m
Draft summer marks	7.294 m
DW summer draft	5 456 T
Gross tonnage	4 926 GRT
Net tonnage	1 543 NRT
Displacement summer	9 056 T

Machinery

Generator set:	
Engines	3 x 1665 kW, total 4995 kW Type Wärtsilä - 9L20
Engine	1 x 750 kW Type Wärtsilä - 4L20
Engine (harbour)	1 x 750 kW Type Wärtsilä - 4L20
Generators	3 x 1784 KVA, 690 Volt, 60Hz, 900 rpm Type: AVK DSG 99 M1 - 8W
Generators	2 x 784 KVA 690 Volt 60Hz, 900 rpm Type AVK DSG 86 KO - 8W
Main propulsion	2300 kW + 1700 kW Scana Volda CRP Type FP3400/FP3800/TH750/PM2054
Emergency generator	1 x 270 KW, Engine Volvo Penta Type D9A2A MG 1 x 216 KW Generator Stamford Type HCM 434D1 690 Volt 60Hz
Battery/Hybrid	Wärtsilä Hybrid system, 1 500 kW
Battery	Corvus Orca Energy. Capacity 678 kWh
Shore connection	Standard IEC/PAS 80005-3, 2 x 350 A Connection Port and STB side

Thruster

Retractable thruster	1 x 880 kW, Brunvoll AR63 LNC 1650
Bow thrusters	2 x 1200 kW Brunvoll FU-80-LTC-2250-1200 Tunnel
Aft thrusters	2 x 1400 kW Brunvoll FU-74-LTC-2000-1400 Tunnel

Vessel speed and consumption

Max speed	14.9 knots	Approx 20.9 m ³
Service speed	14-14.5 knots	Approx 18.1 m ³
Economic speed	10-11 knots	Approx. 7.2 m ³
DP operation		Approx 5.5 m ³
Stand-by at sea		Approx 3.5 m ³
In port, idle		Approx. 2.0 m ³

The above is based on max. draft 5.0 m/ 2000 Mt Dwt., max 1.5 m significant wave height, average value of head/tail winds and seas, light winds and no swell.
For DP and St.by. at sea, varying heading, max. Beaufort force 5 and max Hs 2 m.

Accommodation

Single cabins	12
Double cabins	6
Hospital	1
Total accommodation	24 berths, all cabins fully air-conditioned
Laundry	1
Messroom	1
Dayroom	1
Galley	1
Cool store	1
Freezers	1
Dry provision	1
Offices	1
Gymnasium	1

Capacities

Deck load max	3 150 Mt	
Deck strength	10 t/m ²	
Dry bulk capacities	394 m ³ in 6 tanks. 6 bar max	SG 2.32
Ballast/Drillwater	1 216 m ³ in 12 tanks	
Freshwater	681 m ³ in 6 tanks	
Freshwater	298 m ³ in 2 stainless steel tanks	
Liquid mud, LFL*	1 080 m ³ in 8 tanks w/agitators and circulation by cargo pump	SG 2.8
Liquid mud, LFL	289 m ³ in 2 tanks w/agitators and circulation by cargo pump	SG 2.8
Liquid mud	118 m ³ in 2 tanks w/circulation by cargo pumps	SG 2.8
Brine (in liquid mud tanks)	984 m ³ in 8 tanks	SG 2.8
Base oil/Fuel oil	183 m ³ in 2 tanks	
Fuel oil	814 m ³ in 12 tanks	
Methanol/Special products	104 m ³ in 2 tanks	SG 1.4
Special products/ ORO	146 m ³ in 2 tanks w/ heating coils	SG 1.4
Special products	104 m ³ in 2 tanks	SG 1.4

ORO mode capacity: 1 738.6 m³

Aut. tankwashing system in OBM/Brine/Spec. product/methanol tanks

N2 Generator	6000-C-210,
Capacity	188Nm3@95% N2
N2 Receiver/Storage	1000ltr/10bar

Connection for shore filling

Covering:

All Liq Mud/LFL tanks (12) and incl dedicated Slop tank Special product and Methanol tanks
WB/N2 tanks surrounding LFL* tanks, special product, methanol tanks and cofferdam

Roll reduction tanks 126.4 + 327.9 m³

Discharge

Dry bulk	2 x 0-30 m ³ /min at 6,5 bar
Ballast/Drillwater	2 x 150 m ³ /hr at 9 bar – Screw pump, Frequency control, PG NM 81200999
Fresh water	2 x 150 m ³ /hr at 9 bar – Centrifugal pump, Frequency control, PG 80/250 A4
Liq. mud/brine/slop	12 x 120 m ³ /hr at 9 bar - Hydraulic Submerged Pump. Framo Type SD150
Base oil	2 x 100 m ³ /hr at 9 bar – Centrifugal pump, Frequency control, PG 65/250 A4
Fuel oil	2 x 150 m ³ /hr at 9 bar – Centrifugal pump, Frequency control. PG 80/250 A4
Special products	4 x 75 m ³ /hr at 9 bar – Hydraulic Submerged Pump. Framo Type SD100
Methanol	2 x 75 m ³ /hr at 9 bar – Hydraulic Submerged Pump. Framo Type SD100

Reducer fittings available

Bulk cargo stations

PS/SB mid ship	Dry bulk, DW, FW, mud, brine, base oil, FO, Special products, methanol, slop
PS aft	Base oil, FO, DW, FW, dry bulk
SB aft	Mud, brine, special products, metanol, slop

Deck equipment

Deck dimensions	60.0 x 16.8 m
Deck area	1 016 m ²
Deck area workable	1 000 m ² - approximately
Deck strength	10 t/m ²
ASFA 2-4	Force on chock 4 tonnes. 0-50mtr/min. 8 units arranged in 2 groups
Capstans	2 x 10 t NDM Capstan10
Aft winches	2 x 10 t NDM mw.mw 10
Tugger winches	2 x 15 t NDM twtu15
Knuckle boom crane	1 x 2 t at 18 m
Life rafts	4 x 25 persons
Man overboard boat	1 x MARE GTC 700 2 VD.35 knts. 10 persons. Redundant engines
Socket outlets on deck	2 pcs. 16A 450V 3 phase + earth 2 pcs. 16A 230V 2 phase + earth
NOFO cabinet fwd	2 pcs. 32A 450V 3 phase + earth Eex-ed 2 pcs. 16A 230V 2 phase + earth Eex-ed
NOFO cabinet PS aft	2 pcs. 16A 230V 2 phase + earth Eex-ed
NOFO cabinet SB aft	2 pcs. 16A 230V 2 phase + earth Eex-ed
Sockets for cargo stb	12 pcs. 16A 230V 2 phase + earth Eex-ed
Sockets for cargo port	12 pcs. 16A 230V 2 phase + earth Eex-ed
Towing strong point	1 pcs.100 t SWL. Fr. 2. Lgt. 4 f. CL

Navigation equipment

Radars	1 x L3 Multiplot Platinum X-band radar Arpa 1 x L3 Multiplot Platinum S-band radar Arpa 1 x Miros OSD System NOFO 2009 compliant
Autopilot	1 x L3 Track pilot
Gyro	3 x Navigat X Mk1 (Sperry)
Navtex	Furuno Navtex NX-700
GPS/DGPS	2 x Furuno GPS GP-150
Echo sounder	1 x Furuno FE-700
El-Chart / ECDIS	2 x L3 ECDISpilot Platinum
Voyage recorder	1 x L3 VDR, SAM 4350

Anchoring equipment

Anchor points	2 x 12 t
Winches	2 x Electric driven anchor/mooring. NDM W.AW 48-48 K3

Dynamic position

Class	DYNPOS AM/AT R
Type	Kongsberg Maritime. K-Pos 2
Reference systems	2 x DGPS Kongsberg DPS 232 2 x Spotbeam 1 x CyScan 1 x Radius
ERN	99.99.99.99

Gas monitoring equipment

Type Omnicron Gas Sampling System. OGS 3.1/20

Automatic gas monitoring and alarm system connected to vessels IAS.

Covering:

All Liuq mud/ LFL* tanks (12) and incl dedicated slop tank.
WB/N2 tanks surrounding LFL tanks, special product, methanol tanks and cofferdam

Sensors:

H2S
H2
HC

No pumproom, all LFL, special product and methanol has FRAMO submerged pumps

NOx reduction equipment

Type H+H. SCR UREA based.
Emission 3.46 kg NOx/metric ton MGO

Communication equipment

GMDSS	A3 type Sailor
Intercom	VingCom Zenitel Maine
Starlink	250 Mbps
VHF	3 x Sailor RT 6210
Mobile phone	
TV system	Seatel 6004 EUR
V-Sat	12-3004 Inmarsat Xpress Link
Data capacity	512 kb/s

Other

Prepared for:	Fi Fi 1 DEICE C Triplex or sliding crane
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