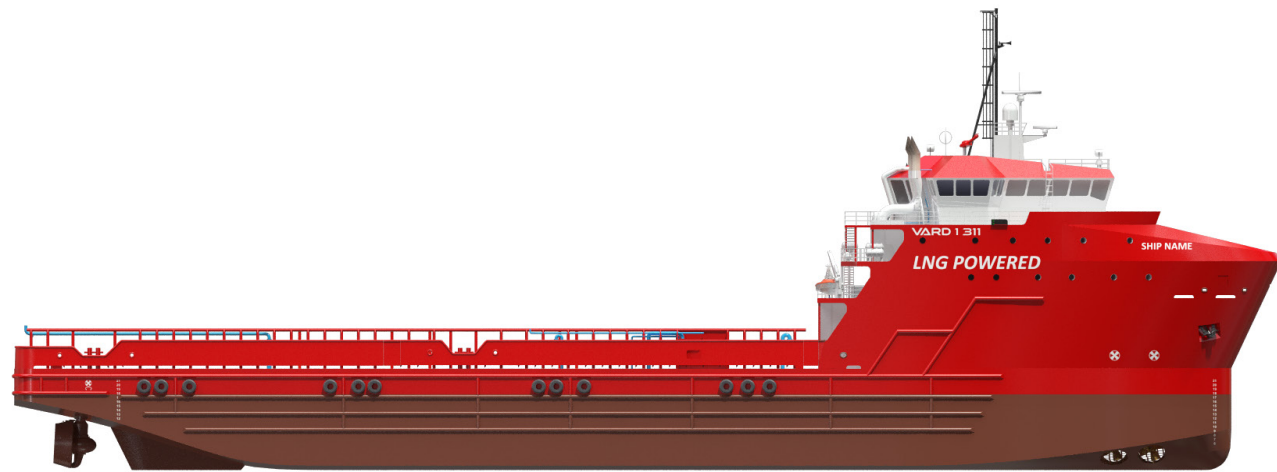


VARD 1 311

DESIGNER: Vard Marine Inc.
BUILT BY: Gulf Coast Shipyard Group
OWNER: Harvey Gulf International Marine
DELIVERED: 2015
DESIGN: VARD 1 311

The VARD 1 311 is the first US flagged dual fuel vessel that will have the American Bureau of Shipping's ENVIRO+ certification. The vessels will be constructed with certified environmentally friendly material and will meet the highest emissions standards.

US Patent No. US 8,690,622 B2, was awarded to Vard Marine Inc. This patent is applicable to: a small size, self-propelled floating vessel having a dual fuel system, monohull or catamaran hull shape with an overall length ranging from sixty meters to one hundred and seventy meters, azimuthing thrusters, and with LNG tank capacities between 100cbm and 1200cbm. The first of six 5,100 DWT vessels to be built under this patent is scheduled for delivery in third quarter 2014.



Specifications

MAIN PARTICULARS

Length overall	92.0 m	302'-0"
Length waterline	88.3 m	290'-0"
Breadth moulded	19.5 m	64'-0"
Depth main deck	7.5 m	24'-6"
Design draft	6.2 m	20'-4"

PERFORMANCE

Speed	13.0 kn max
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CLASS

USCG SUB I & L/SOLAS/ABS ✱A1, Offshore Service Vessel, ✱AMS, ✱DPS-2, ✱ACCU, ENVIRO+, GP, UWILD, FFV-1, GFS (Dual Fuel Diesel), Circle E

COMPLEMENT

42 persons + 3 sick berths

CAPACITIES

Cargo deck area	973.2 m ²	10,475 ft ²
Design load limit	4.9 MT/m ²	1,000 lbs/ft ²
Deadweight	5,312 LT	5,397 MT
Diesel fuel	958 m ³	253,194 USG
LNG fuel	295 m ³	77,920 USG
Fresh water	61 m ³	16,216 USG
Liquid mud	2,601 m ³	16,361 Bbls
Methanol	246 m ³	1,545 Bbls
Dry bulk	290 m ³	10,250 ft ³

MAIN MACHINERY

Main engines	3 x 2,510 kW	3 x 3,365 hp
Bow thrusters	2 x 1,280 kW	2 x 1,715 hp
Emergency generators	1 x 152 kW	1 x 203 hp
Harbour genset	1 x 425 kW	1 x 570 hp

MAIN PROPULSION

Fixed Pitch Propellers VFD		
Azimuthing thrusters	2 x 2,700 kW	2 x 3,620 hp

