

# Voe Jarl

Multipurpose Anchor- Handling Tug / Workboat  
Call sign – MSBB3

Built 2007  
MMSI – 235.055.168



## General

Type of vessel	: Damen Multicat®2611
Builder	: Damen Shipyards Hardinxveld : Yard No. 1560
Basic Functions	: Anchor handling, dredger service, supply, Towing, hose handling, survey, ship assist
Classification	: Bureau Veritas I*Hull•MACH Tug : Unrestricted Navigation : Nat. Authorities : MCA workboat Category 1 : 150 miles from shore

## Dimensions

Length o.a.	: 26.00m
Beam	: 11.50m
Depth at sides	: 3.50m
Draught aft	: 2.25m
Displacement	: 515 ton (m)
Free deck space	: 160m <sup>2</sup>
Deck Loading	: 10t/m <sup>2</sup>

## Tank Capacities

Fuel oil	: 110.00m <sup>3</sup>
Black/grey water	: 9.20m <sup>3</sup>
Fresh water	: 52.00m <sup>3</sup>
Dirty oil	: 1.70m <sup>3</sup>
Ballast water	: 55.00m <sup>3</sup>

## Performances

Bollard Pull	: 33 tons
Speed	: 10 knots

## Propulsion System

Main engines	: 3 x Cummins KTA 38MO
Total power	: 1791 bkW at 1800 rpm
Gearboxes	: 3 x Reintjes WAF 464 5.591:1
Propulsion	: 3 x fixed pitch props in nozzles, 1700mm
Bowthruster	: Hydraulically driven 200kW, 360°

## Auxiliary Systems

Generator sets	: 2 x Cummins 6BT 5.9-D 89kVA each
Harbour set	: Hatz 3L41C 25kVA
Hydraulic power	: Cummins N14-M 400kW
Transfer pumps	: Fuel & fresh water 50m <sup>3</sup> /hr

## Deck Lay-out

Deck cranes	: 2 x Effer 200.000 3S   10.5 T @ 16m
Towing winch	: 50T pull, 90T brake   700m x 40mm
Anchor handling	: 100T pull, 150T brake   100m x 40mm
Tugger winches	: 2 x 13T pull   100m x 18mm
Hydraulic pop-ups	: Fore deck – 1 x fork & 2 x guide pins : Aft deck – triple pin type
Towing hook	: Mampaey 35 T
Spud poles	: 2 x Ø 650mm, 15m
Bow roller	: 150 T SWL 5m, Ø 1000mm
Stern roller	: 150 T SWL 2m, Ø 760mm
Capstan	: 5 tons

## Accommodation

Comfortable heated and air-conditioned accommodation  
For 6 persons, in 3 cabins, galley, sanitary facilities, etc.  
Seating for 12 day passengers.

## Navigation & Communication

Radar system	: 2 x Furuno FR 1505 MKIII (ARPA)
Compass	: Observator MKIV
Gyrocompass	: Tokimec ESN.110N
Echosounder	: Furuno FCV 581
DGPS	: Furuno GP-80
GPS	: Furuno GP-33
Chart Plotter	: Transas Navisailor & Seiwa Barramundi
Autopilot	: Radio Zeeland, Sea Pilot 75
Navtex	: Furuno NX 500
VHF	: 2 x Sailor RT 5022 / DSC
VHF handheld	: 3 x Icom BC-166
VHF GMDSS	: 2 x Jotron Tron TR250
Inmarsat-C	: Furuno Felcom 15
AIS	: McMurdo Class A
SSB	: Yaesu – FRG 100
UPS system	: APC 1600W – 220V
GSM cellphone, email & internet (coastal)	

## Additional

Fitted for 75T A-frame at bow  
Plough & stern A-frame for seabed levelling/dredging