

### CLASSIFICATION

A1, Offshore Vessel, AMS, ACCU, DPS-2  
Class Number 98282979  
Builder KVAERNER GOVAN LTD  
IMO Number 9169744



### DIMENSIONS

L.O.A. (m)	82.88
BREADTH mld (m)	19.00
DRAUGHT (summer) (m)	6.333
DEADWEIGHT (summer) (t)	4.689
GROSS/NET TONNAGE	2.990/1.573
GENERATORS	440 / 3 / 60

### PROPULSION & PERFORMANCE

Service speed abt. 10-12 knots

#### PROPULSION

Two Wartsila Vaasa 6R32E marine diesel engines each developing 3,300 BHP@ 750 rpm each driving 1.760 kW shaft alternator and CP propeller

Total developed power 4,920 kW (6.600 BHP)

#### GENERATORS

Shaft alternators	2 X 1,760 kW
Main alternators	2 X 335 kW
Emergency alternator	1 X 167 kW

#### THRUSTERS

Forward tunnels	2 X 736 kW
Aft tunnels	2 X 736 kW

#### STABILIZATION

Two passive roll reduction stabilization tanks

### CARGO

#### CARGO DECK

Sheathed deck area	58,5 m x 16,0 m = 936m <sup>2</sup>
Deck strength	5 tonnes / m <sup>2</sup>
Deck load	3,000 tonnes

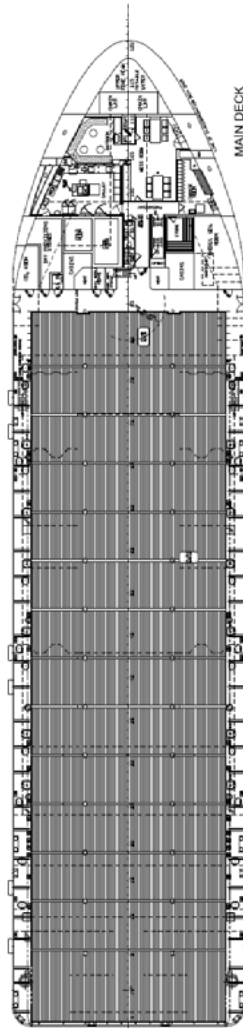
#### CARGO CAPACITIES

Approx at 100%

Fuel oil cargo	1,138 m <sup>3</sup>
Potable water	1,010 m <sup>3</sup>
Drill water	1,056 m <sup>3</sup>
Dry bulk@ 80 psi	8 X 50m <sup>3</sup> = 400 m <sup>3</sup> (14,400 fe)
Liquid mud@ 2.5 sg	2 x 165 m <sup>3</sup> (2.080 bbls)
Liquid mud@ 2.5 sg	2 x 141m <sup>3</sup> (1,774 bbls)
Brine @2.5 sg	2 x 159 m <sup>3</sup> (2.000 bbls)
Brine @ 2.5 sg / Base oil	2 x 191 m <sup>3</sup> (2.400 bbls)
Base oil	2 x 100 m <sup>3</sup> (1.255 bbls)
Ships fuel oil	323 m <sup>3</sup> (MDO)

#### CARGO PUMPING

Fuel oil cargo	2 x 150 m <sup>3</sup> /hr @ 9 bar
Potable water	1 x 150 m <sup>3</sup> /hr @ 9 bar
Drill water	1 x 150 m <sup>3</sup> /hr @ 9 bar
Dry bulk compressors	2 x 30 m <sup>3</sup> /hr @ 80 psi
Liquid mud	2 x 100 m <sup>3</sup> /hr @ 23 bar
Brine	2 x 100 m <sup>3</sup> /hr @ 23 bar
Base oil	1 x 100 m <sup>3</sup> /hr @ 9 bar



### DP2 SYSTEM

DP / Joystick Control	IMO Class 2 DP System
	Kongsberg K-Pos DP-21
Reference systems	Fan beam laser+ 2 x DGPS

### DECK MACHINERY

Deck/stores crane	3 tonnes @ 12m radius
Tuggers	2 X 10t
Capstans	2 X 10t

### ACCOMODATION

Wheelhouse and accommodation fully air conditioned

Single berth cabins	2 suites+ 9 en-suite
Two berth cabins	6 cabins
Hospital	2 berth
Complement	27 persons

The vessel is designed to fulfil the following duties:

- Supply and transport of equipment between offshore platforms and installations (such as brine, cargo containers, cement, drill water, fresh water, fuel oil, liquid mud, methanol, pipes etc)

## CONTROL AND NAUTICAL EQUIPMENT

DP system	DP II
Thr. control	R-R
AIS	1 of
<b>Radar Equipment</b>	
1 of	3 GHz ARPA
1 of	9 GHz ARPA
<b>Chart System:</b>	
Telechart Ecdis	1 of
<b>Compass System:</b>	
Gyrocompass	3 of
Magnetic compass	1 of
Autopilot	1 of
Nav. echosounder	1 of
Speed log	1 of
Radio Plant: Acc. to class	
VHF/DSC	1 of
VHF	1 of
Inmarsat C	1 of
Iridium	1 of
Automatic ident. system	1 of
Beacon equipm. acc to class	

## DECK EQUIPMENT

Cranes:	1 crane SWL 3t x 12 ml
Anchors:	2 x 4.13t SPEK Anchors
Mooring Winch:	2 x Rope/Wire Winches
Mooring Capstan:	2 x Capstan Aft
Tugger Winches:	2x10t

## ANTI-ROLLING SYSTEM

A passive flume anti-roll system  
2 of roll reduction tank

## LIFE SAVING EQUIPMENT

Liferafts: 7 for 155 pers  
Survival suits: 54  
1 rescue boat for 6 pers. Capacity SOLAS for 50 pers.

## CARGO-TANK CAPACITIES/PUMPS

Diesel fuel (ship)	323 m <sup>3</sup>
Fuel oil (cargo)	1,130 m <sup>3</sup>
Potable water (ship)	100 m <sup>3</sup>
Potable water (cargo)	910 m <sup>3</sup>
Water ballast	1056 m <sup>3</sup>
Liquid muds/brines	2x165 m <sup>3</sup> + 2 x 141m <sup>3</sup>
Base oil (in cargo fuel tanks)	2x100 m <sup>3</sup>
Dry bulk	400 m <sup>3</sup>
Slop tanks	2 x 20 m <sup>3</sup>

## PUMPING CAPACITIES

Fuel	2 x 150 m <sup>3</sup> /hr
Pot water	1 x 150 m <sup>3</sup> /hr
Brine	2 x 100 m <sup>3</sup> /hr
Mud	1 x 100 m <sup>3</sup> /hr

## TANK CLEANING SYSTEM

A total of 6 cleaning machines fixed in 6 mud tanks/brine tanks and 1 slop tank

## FLOW METERS

Flow meter for fuel oil with printer.

## RESCUE BOAT

1 x ZODIAC RIB x 6 man

## LOADING COMPUTER

Kockums Sonics Loadmaster

## CONSUMPTION

Economic transit, app.	10t/day
DP operations	2-4t/day
Port, approx.	0.8t/day

## HOSPITAL

1 hospital: 2 BEDS