



CLASSIFICATION

A1, Offshore Vessel, AMS, ACCU, DPS-2
Class Number 98282998
Builder KVAERNER GOVAN LTD
IMO Number 9169756



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

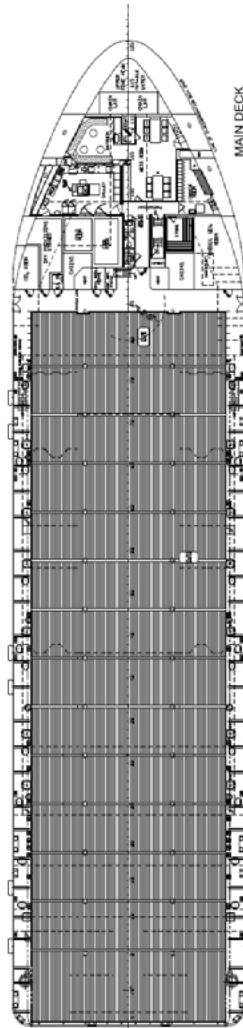
| | |
|--------------------|------------------------------------|
| Sheathed deck area | 58,5 m x 16,0 m =936m ² |
| Deck strength | 5 tonnes / m ² |
| Deck load | 3,000 tonnes |

CARGO CAPACITIES Approx at 100%

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

CARGO PUMPING

| | |
|----------------------|-------------------------------------|
| Fuel oil cargo | 2 x 150 m ³ /hr @ 9 bar |
| Potable water | 1 x 150 m ³ /hr @ 9 bar |
| Drill water | 1 x 150 m ³ /hr @ 9 bar |
| Dry bulk compressors | 2 x 30 m ³ /hr @ 80 psi |
| Liquid mud | 2 x 100 m ³ /hr @ 23 bar |
| Brine | 2 x 100 m ³ /hr @ 23 bar |
| Base oil | 1 x 100 m ³ /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 |
| Radar Equipment | |
| 1 of | 3 GHz ARPA |
| 1 of | 9 GHz ARPA |
| Chart System: | |
| Telechart Ecdis | 1 of |
| Compass System: | |
| 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 ³ |
| Fuel oil (cargo) | 1,130 m ³ |
| Potable water (ship) | 100 m ³ |
| Potable water (cargo) | 910 m ³ |
| Water ballast | 1056 m ³ |
| Liquid muds/brines | 2x165 m ³ + 2 x 141m ³ |
| Base oil (in cargo fuel tanks) | 2x100 m ³ |
| Dry bulk | Dry-bulk=400 m ³ |
| Slop tanks | 2 x 20 m ³ |

PUMPING CAPACITIES

| | |
|-----------|----------------------------|
| Fuel | 2 x 150 m ³ /hr |
| Pot water | 1 x 150 m ³ /hr |
| Brine | 2 x 100 m ³ /hr |
| Mud | 1 x 100 m ³ /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