

Main Details: Specifications Seismic Research Support Vessel “Sunrise-G”

Year of construction: 2013
Vessel Name: Sunrise-G
Owner: Rederij Groen BV
Flag: Panama
IMO Number: 9628518
Call Sign: 3FKF6
MMSI: 354131000
Class : ABS A1, SPS code, AMS

Dimensions:

LOA : 59.90 Mtrs.
 Width : 16.50 Mtrs.
 Draught : 5.40 Mtrs
 Net Tonnage : 658
 Gross Tonnage : 2194

Generator(s):

Shaft Generator : 1x Leroy-Somer 800 kW
 Emergency Gen. : 1x Cummins 80 kW/100 kW
 240/415 V, 50 Hz

Main engine(s):

Caterpillar : 2x 2100 BHP @ 1600 RPM

Auxiliary Engines:

Cummins : 3 x 250 kW

Propulsion system:

2 x Controllable Pitch in fixed nozzles

Bow Thruster(s):

1x 9 tons Tunnel Thruster, 596 kW

Anchor(s):

2 x HHP Anchors c/w 10 shots of Anchor Chains
 27.5m Dia 40mm U2.

Deck Equipment:

Anchor Windlass : 1x Double gypsies for 42mm dia.
 Grade 2 chain, Rating: 7.5T X
 15m/min for anchor chain, 7.5T
 X 15m/min for centre
 declutchable mooring drum
 Capstan : 2x 5.0 Ton
 REF container : 3 x 20 feet, 415V / 3ph / 50Hz
 Twin Hose reel : 2 x 240Mtr 5" hose with 4"TODO
 Cable Reel : 1 x 8000 Mtr
 Towing Hook : 65 Tons SWL
 Bollard pull : 52 Tons
 Deck Crane : 25 Ton by 7.5 mtr
 : Max outreach is 16.5 mtr
 Workboat Davit : Vestdavit SW 12 Ton
 Yoko Fenders : Noreqfender 4m x 2.5m x 2 nos.



Safety Equipment:

Rescue Boat : 6 Person Rigid Rescue Boat c/w
 A-Frame
 Rudders : 2 x Highlift Rudder

Standard LSA as per SOLAS & flag administration
 rule for **59 men**.

Communication Equipment:

GMDSS Compl. : A1 – A2 – A3
 Sat Comm. : Broadband / VSAT

Cargo Handling Equipment:

Cargo FO pump : 1x 160 m³/h @ 9 bar (approx
 96m head) Vertical Screw Pump
 1x 120 m³/h @ 75m head
 Vertical Twin Screw Pump
 Cargo FW pump : 1x 100 m³/h@60m Vertical
 Centrifugal pump
 Ballast water pump
 : 2x 100 m³/h@60m Vertical
 Centrifugal pump

HFO Boiler: Aalborg Thermal Fluid Heater x 1
 Capacity 800kW, Max supply temp 220°C
 Nominal flow 37m³/h Fuel cons 79kg/h

Bunker / Storage capacity:

Fresh Water : 611.3 m³
 Drill Water/SWB : 904.7 m³
 MGO : 280.0 m³
 Heavy Fuel Oil
 Cargo : 844.0 m³
 Dirty Oil : 12.0 m³
 Oily water : 27.2 m³
 Lube Oil Storage : 19.0 m³
 Sewage Holding : 27.2 m³
 Grey water : 28.0 m³
 Sludge : 17.2 m³
 Thermal Fluid : 9.5 m³
 Clear Deck : 300 m²
 Deck Cargo : 800 m³

Speed:

Max Speed 11.5 knots
 Eco Speed 10.0 knots

Accommodation (fully air conditioned):

Accommodation : 59 bunks (21 cabins)
 2 x 1 bunk, 7 x 2 bunk,
 5 x 3 bunk, 7 x 4 bunk.
 Other : 1 x Hospital (2 bunk)