

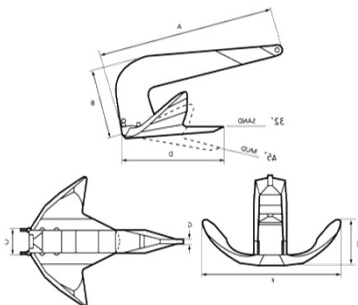
MV Geoexplorer



Geoexplorer is a 4 point mooring geophysical and geotechnical vessel, capable of drilling in water depths up to 200m.

A full refit in 2014, along with state of the art drilling and sampling equipment installation, make the Geoexplorer an extremely effective and reliable asset.

Its relatively small size and low operational cost allow this vessel to be remarkably cost efficient.



Capabilities

- 350m borehole drilling combined depth
- Downhole sampling/ CPT
- Roson seabed CPT (deployed through the moon pool)
- Piston Coring
- Vibrocoring
- Geophysical surveys
- Oceanographic surveys



Actual images of the vessel and its equipments.

MV Geoexplorer



Dimensions

Length OA	64,21 mts// 211 ft
Length BP	59.50 mts// 195.2 ft
Breadth	12.24 mts// 40 ft
Maximum Draft	4.87 mts// 16 ft
Deck Space	128x 35 ft
Moon Pool	3,1x 3,1 mts

Class

ABS A1 HP6949 AMS

Year built

1986, Rebuilt 2014

Capacities

Ballast Water	182.255 USG// 742
Fuel Oil	163.345 USG// 537
Potable Water	60.000 USG/226 MT
Lube Oil:	1.380 USG// 4.82M
Gear Oil:	690 USG//2.40MT
Hydraulic Oil:	690 USG//2.40MT

Propulsion

Main Engines	02x CATERPILLAR 3512
HP	1.250 each
Fuel consumption	85 GPH// 325 lts/Hr
Cruise speed	10 Knots
Bow Thruster	300 HP GM8V71

Positioning

4 point anchor mooring	
Max water depth	200m

Accommodations

Staterooms/Berths	11/36
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Special Equipment

Hydraulic Crane	01 x 17 Ton Starboard
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Safety Equipment

Life Rafts	02x 20 persons/SOLAS 02x 16 persons/SOLAS
Rescue Boat	01x RB ZODIAK type//6 persons
Life buoys	08



Drilling

Derrick	18mts, 25 ton cap
Top drive	15,000 lbs/ft 0-170 RPM
Max drilling depth	300m with 5 1/2" pipe
Drill string compensation	3mts, 20 ton
Seabed Frame compensation	20 ton
Hydraulic power	2x 240hp (1 redundant)
Mud pumps	2x 5x6 duplex pump (1 redundant)

Sampling

5 1/2" Big bore drill pipe, accepts every geotechnical tool

Wireline CPT
Hydraulic pushed Shelby Sampling
Hammer Sampling
Rock Coring (PQ3)
Seismic Cone

Seabed Sampling

Roson CPT
Jumbo Piston Core
Vibrocore

Laboratory

20ft container
10ft container humidity room

www.geohidra.com

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