# Vessel details

<table>
<thead>
<tr>
<th>Name</th>
<th>MV Ocean Endeavour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Research vessel</td>
</tr>
<tr>
<td>Year of build</td>
<td>1986</td>
</tr>
<tr>
<td>Reconfigured</td>
<td>2004</td>
</tr>
<tr>
<td>Classification</td>
<td>DNV-GL / 100 A5</td>
</tr>
<tr>
<td>Owner</td>
<td>Gardline Shipping Limited</td>
</tr>
<tr>
<td>Flag</td>
<td>UK</td>
</tr>
<tr>
<td>Port of registry</td>
<td>Lowestoft</td>
</tr>
<tr>
<td>ON</td>
<td>904335</td>
</tr>
<tr>
<td>IMO no / Call Sign</td>
<td>8402008 / GAAL</td>
</tr>
<tr>
<td>MMSI Number</td>
<td>233694000</td>
</tr>
</tbody>
</table>

## Dimensions

| Length overall | 77.1m |
| Beam | 14.8m |
| Draft | 4.3m |
| GRT | 1,967 |
| NT | 590 |

## Accommodation

| Berths | 32 |
| Facilities | Mess, lounge, recreation / media room gym |

## Propulsion and machinery

| Main engine | 2 x Ruston 8RKCM |
| Generators | 4 x Mirrlees Blackstone ES6 |
| Propulsion | Single 4-bladed Controllable Pitch |
| Bow thruster | GillJet SOT3 |
| Transit speed | 8 knots |
| Maximum speed | 10 knots |

## Capacities

| Fuel capacity | 287m³ |
| Fresh water | 230m³ |
| Endurance | 28 days (nominal) |
Vessel details

Bridge equipment

Radars
2 x VisionMaster FT (X-Band)

Autopilot
Simrad AP80

Gyrocompass
SG Brown Meridian

Echosounder
Simrad ED 162

Communications
V-Sat KU Band
Iridium pilot
Fleet 250 Fleet 500
Emergency GMDSS Handhelds (AI-A3)
Sat-C Telex
Internal Telephone Exchange

Deck area

Cranes
Heila HLRM170/45L (17T SWL @ 6m)
2 x Grove M977 (1T SWL @ 5m)

Safety equipment

Rescue boat
Survitech DSB420 RIB with outboard

Life rafts
6 x Viking 25DK+ (25 persons)

Fire fighting
Full complement of fire fighting equipment to meet or exceed SOLAS regulations

Navigation

Positioning systems
Fugro Starfix HP/XP & Starpack
(primary and secondary)
Seapath 200
Kongsberg MRU5

Underwater positioning
Sonardyne Ranger 2 USBL

Survey computer
Gardline Voyager5

Vessel capabilities

Hydrography

Multi-beam
Kongsberg EM 2040 (0.7° x 0.7°)
Reson Seabat® 7125

Single-beam
Kongsberg EA 400

Geophysical

Side scan sonar
Edgetech 4200
Hull mounted 16-element pinger
Geo-source 800 Multi Tip Sparker
10in³ mini airgun
EG&G sub & surface tow boomers
Innomar 2000 Medium

Sub-bottom profilers

(Optional)

SV Probe
Valeport

2D/3D UHRS
Gardline uSeis Multi Channel Digital
Streamer System
4 x 40in³ sleeve gun cluster
1,950in³ tuned bolt gun array
Hydroscience SeaMUX digital streamer system (12.5m group, 600m / 48ch up to 6,000m / 480ch)
Optional 300m SeaMUX UHR streamer (6.25m group/48ch)

Depth controllers
Ion 5010 DigiBird / 5011 Compass Bird

Active Tail Buoy
PartnerPlast Tail Buoy 800 / Seatex 220

UHR seismic option
6in³ or 10in³ mini airgun
75m streamer (3.125m group / 24ch)

Seismic compressors
4 x Hamworthy 4TH140W70 (80scfm)
1 x LMF (1850scfm)

Magnetometer
Geometrics G882

Geotechnical

Neptune CPT
GTeC Roson CPT
NIOZ corer
Vibrocorer
Piston corer

Environmental

Shipek / Day / van Veen / Mini Hamon grab samplers
Box corer
Water samplers
Video and stills camera systems

All Gardline vessels meet or exceed international maritime guidance, statutory instruments and SOLAS requirements (including FSS code and IMO regulations) for Life Saving Instruments

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