

# MV Ocean Endeavour

Research Vessel



## Vessel details

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

### Dimensions

<b>Length overall</b>	77.1m
<b>Beam</b>	14.8m
<b>Draft</b>	4.3m
<b>GRT</b>	1,967
<b>NT</b>	590

### Accommodation

<b>Berths</b>	32
<b>Facilities</b>	Mess, lounge, recreation / media room gym

### Propulsion and machinery

<b>Main engine</b>	2 x Ruston 8RKCM
<b>Generators</b>	4 x Mirrlees Blackstone ES6
<b>Propulsion</b>	Single 4-bladed Controllable Pitch
<b>Bow thruster</b>	GillJet 50T3
<b>Transit speed</b>	8 knots
<b>Maximum speed</b>	10 knots

### Capacities

<b>Fuel capacity</b>	287m <sup>3</sup>
<b>Fresh water</b>	230m <sup>3</sup>
<b>Endurance</b>	28 days (nominal)

# Vessel details

## Bridge equipment

<b>Radars</b>	2 x VisionMaster FT (X-Band)
<b>Autopilot</b>	Simrad AP80
<b>Gyrocompass</b>	SG Brown Meridian
<b>Echosounder</b>	Simrad ED 162
<b>Communications</b>	V-Sat KU Band Iridium pilot Fleet 250 Fleet 500 Emergency GMDSS Handhelds (A1-A3) Sat-C Telex Internal Telephone Exchange

## Deck area

<b>Cranes</b>	Heila HLRM170/4SL (17T SWL @ 6m) 2 x Grove M977 (1T SWL @ 5m)
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## Safety equipment

<b>Rescue boat</b>	Survitech DSB420 RIB with outboard
<b>Life rafts</b>	6 x Viking 25DK+ (25 persons)
<b>Fire fighting</b>	Full complement of fire fighting equipment to meet or exceed SOLAS regulations

## Navigation

<b>Positioning systems</b>	Fugro Starfix HP/XP & Starpack (primary & secondary) Seapath 200 Kongsberg MRU5
<b>Underwater positioning</b>	Sonardyne Ranger 2 USBL
<b>Survey computer</b>	Gardline Voyager5

# Vessel capabilities

## Hydrography

<b>Multi-beam</b>	Kongsberg EM 2040 (0.7° x 0.7°) Reson Seabat® 7125
<b>Single-beam</b>	Kongsberg EA 400

## Geophysical

<b>Side scan sonar</b>	Edgetech 4200
<b>Sub-bottom profilers</b>	Hull mounted 16-element pinger Geo-source 800 Multi Tip Sparker 10in <sup>3</sup> mini airgun EG&G sub & surface tow boomers Innomar 2000 Medium

(Optional)

<b>SV Probe</b>	Valeport
<b>2D/3D UHRS</b>	Gardline uSeis Multi Channel Digital Streamer System 4 x 40in <sup>3</sup> sleeve gun cluster 1,950in <sup>3</sup> 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) SPW QC Optional ProMAX QC/processing
<b>Depth controllers</b>	Ion 5010 DigiBird / 5011 Compass Bird

<b>Active Tail Buoy</b>	PartnerPlast Tail Buoy 800 / Seatex 220 RGPS system
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<b>UHR seismic option</b>	6in <sup>3</sup> or 10in <sup>3</sup> mini airgun 75m streamer (3.125m group / 24ch)
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<b>Seismic compressors</b>	4 x Hamworthy 4TH140W70 (80scfm) 1 x LMF (1850scfm)
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<b>Magnetometer</b>	Geometrics G882
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## 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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