

MV Vigilant

Multi-discipline Vessel



Vessel details

Name	MV Vigilant	NT	409
Type	Multi-discipline survey vessel	Accommodation	
Year of build	1982	Berths	29
Reconfigured	2008	Facilities	Survey lab / workshop / c.200m ³ deck space lounge / media room / gym
Classification	Lloyds Register 100A1 / LMC / UMS	Propulsion and machinery	
Owner	Gardline Shipping	Main engine	2 x Ruston (each 2075kW)
Flag	UK	Generators	2 x Volvo Penta (each 195kW) 1 x Gardner (58kW) emergency generator
Port of registry	Lowestoft	Bow thruster	Tunnel type, 330kW
ON	922921	Propulsion	2 x Controllable Pitch Propellers
IMO no / Call sign	8027406 / MCJN5	Transit speed	8-10 knots
MMSI number	232013162	Maximum speed	15 knots
Dimensions		Capacities	
Length overall	71.4m	Fuel capacity	219m ³
Beam	11.7m	Fresh water	60m ³
Draft	5.4m		
GRT	1,365		

Vessel details

Deck area

Crane HS Marine AK25HE4 2T SWL @ 9m
Moonpool 0.4m x 0.4m

Safety equipment

Rescue boat 1 x 6-person FRC with outboard
Life rafts 4 x 20-person
Fire fighting Full complement of fire fighting equipment to meet or exceed SOLAS regulations

Navigation

INS Applanix POSMV320
Gyrocompass TSS Meridian
Positioning systems Oceaneering C-Nav (Primary and Secondary EGNOS Tertiary)
Survey computer Gardline Voyager5
USBL Sonardyne Ranger1

Vessel capabilities

Hydrography

Multi-beam Kongsberg EM 2040 (0.4° x 1° dual head) Caris HIPS and SIPS processing

Single-beam Kongsberg EA 400 + MRU5 motion sensor

Geophysical

Side scan sonar Edgetech 4200FS

Sub-bottom profilers GeoAcoustics GeoPulse 9-element hull-mounted pinger
GeoSource 800 2kJ sparker with Teledyne 48-channel hydrophone and active GPS tailbuoy

SV Probe Valeport or AML

UHR seismic option 10in³ mini airgun with Teledyne 24-channel hydrophone

Magnetometer Geometrics G882

Environmental

Seabed sampling
Underwater stills / video camera
Water sampling

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



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