

WBS Research / Survey Vessel

Constructed By:	Mustang Marine (Wales) Limited The Dockyard Pembroke Dock Pembrokeshire. SA72 6TE
Date of Build:	Oct 2001/Jul 2002
Launch Date:	27 th Jun 2002
Construction:	Marine grade Aluminium 5083
Type:	Catamaran
MCA coding:	Category 2 60 miles
Max persons carried:	10
L.O.A:	18.00 meters
Beam:	6.90 meters
Draft:	1.20 meters
Air draft:	10.14 meters (excludes whip aerials)
Weight:	60.14 tonnes (fully Laden)
accommodation:	4 x 2 bed cabins (2 cabins in each hull)
heads/showers:	2 (1 head/ shower room in each hull)
Galley:	4 ring hob/oven Fridge / freezer Sink with hot and cold water Storage cupboards Seated area with table
Number of main engines:	2
Engine type:	Cummins NT14M
Rated at:	525bhp @ 2100 RPM
Engine No Port:	12043153
Engine No STBD:	12043154
Gearbox type:	Twin Disk Model No MG 5144 RV
Gearbox No port:	5HK879

Gearbox No STBD:	5HK880
	Both gearboxes were reconditioned in 2019
Reduction Ratio:	1.92.1
Engine to Gearbox:	V drive via cardon shafts
Propellers:	27" diameter/29" pitch. handed STBD right/port left
Propeller shafts:	both renewed in 2022 with R and D couplings, inline bearing and cutlass bearings
Twin Bow thrusters:	Kort KT45 hydraulic
Steering gear:	hydraulic, Kolbelt/ wagner
Engine controls:	Kobert electronic 6526 twin engine at 3 stations in wheelhouse
Generator sets:	2
Make:	Beta marine, Kubota BV2203
Rated at:	18kva @ 1500 RPM
Serial No port:	IQ1005
Serial No STBD:	IQ0751
Fuel Tanks:	2
FWD fuel tank:	2600 litres
AFT fuel tank:	1600 litres
Fresh water tank:	2
Port and STBD Fresh water tank:	400 litres each
Black water tanks:	2
Port and STBD black water tanks:	135 litres each
Hydraulic tank:	1
Hydraulic tank capacity:	500 litres
Deck machinery:	Aft deck Aframe with mounted 500kg winch
	X2 4000kg north sea winches (aft deck)
	Helia HLM 3-25A crane (aft deck)
	X2 1000kg north sea anchor winches
	With 50 kg Bruce anchors (fwd Deck)