



PROTEUS

WHO WE ARE

TDI-Brooks has over 25 years of vessel chartering and management experience.

The R/V PROTEUS primarily operates in Mexico, Northern South America (NSA), North / West Africa and the Mediterranean.

The Proteus is outfitted with TDI-Brooks' complete geotechnical tool kit including our suite of innovative geotechnical tools for soil sampling and measurement. These include our 0.5 and 1 meter box corers (BC), 6 and 9 meter piston corers (PC), 20 meter jumbo piston corers (JPC), cyclic t-bar instrument (TBAR) and piezocone penetrometers including our 40 meter CPT-Stinger and our 10 meter Gravity CPT tool (gCPT).

The Proteus has a Kongsberg EM-710 (1x1) hull-mounted multibeam (MBES) for surveys to ~2,500m water depth for performing surface geochemical "seep-hunting" (SGE) and seabed heatflow surveys (HF).

Our field services are supplemented by high quality environmental, geochemical and geotechnical laboratories with a staff of nearly one-hundred individuals including fourteen Ph.D. level oceanographers, geochemists, biologists and geologists.

WHAT WE PROVIDE

This vessel is well suited for the following applications:

- Seabed Geotechnical Coring and Measurements
- Seabed Geochemical "Seep-Hunting" (SGE)
- Seabed Heat Flow Surveys (HF)
- 2DHR Seismic Multi Channel Geophysical Site Surveys
- Pipeline Damage Assessments and Inspection
- Offshore Cable Route Surveys



CONTACT US

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PROTEUS VESSEL SPECIFICATIONS

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The TDI-Brooks fleet is operated within a robust Safety Management System and all vessels are regularly vetted by client marine assurance groups and a part of the OCIMF Offshore Vessel Inspection Database (OVID).

General

Name	R/V Proteus
Owner	TDI-Brooks International, Inc.
Built	Rysco Shipyard 20 July 1976
Port/Flag	Vanuatu, Port Vila
MMSI No.	577207000
Call Sign	YJTP5
IMO No	634290
Classification	ABS# A1, # AMS, Ice Class C; Intl. Load Line
Statutory Certifications by SOLAS/MARPOL Classification	Isthmus Bureau of Shipping Research Vessel, Cargo ship under 500 tons

Dimensions

Length Overall	49.37m
Molded Breadth	11.58m
Depth to Main Deck (Molded)	3.96m
Max Speed	10 knots
Economical Speed	8 knots
Regulatory Tonnage	298 GRTM
Deadweight Tonnage	830 DWT
Max Draft	3.39m
Minimum Operational WD	4.5m

Machinery

Main Engines	(2) – Cat D-398
Max Continuous Power	(2) x 634 kW each
Generators	1) – Cat 3406 , 210 kW; (1) Cat C-9, 175 kW
Standby Generator	Leroy Somer Alternator 65KW
Standby Emergency Generator #2	John Deere – 165 kW, 440 v. 60 Hz used to power survey equipment, provide hotel service in port, or emergency power at sea as needed
Sewage Treatment Plant	Headhunter, TW HMX 524LP
Bilge Oil Water Separator	Model 1000 – OCD CM, 4.4 GPM
Fuel Purifier/Centrifuge	Alpha Laval
Deck Machinery	
A-frames	2 articulating, one port, one on stern
Crane	SBG, EHSC-80 knuckle boom, 5000 # SWL 6 M reach

Capacities

Fuel	285 Cu M
Potable Water	72.6 Cu M
RO Watermaker	4.2 Cu M/day
FW Ballast	136.55 Cu M
Lube Oil	4.6 Cu M
Hydraulic Oil	4.6 Cu M
Slop Tank	2.06 Cu M
Used Oil	2.06 Cu M

Voice/Data Communications

Primary Data	Bandwidth 128k down/64k to 10Mb down/3Mb up
Internet/Email	Custom access allowed ranging from Free to \$7250/mth, or \$/MB
Sat Comm	KVH V7hts / Inmarsat Fleet Broadband Systems
Life Saving Equipment	As per CS Safety Equipment Certificate

Type 1 PFD	200% of POB
Immersion Suits	100% of POB
Life Rafts	3 – 20 person each
SOLAS Rescue Boat and davit RHIB, w/25 hp gasoline OBM	

Accommodations

Total Berthing (in)	40 - 9 marine crew, 31 supernumeraries
One person rooms	Four
Two person rooms	Nine
Four person rooms	Three
Six person rooms	One
Heads/Shower	10 ensuite; 2 shared public
Galley/Mess Seating	17 per seating
Laundry	One with 2 washers, 2 dryers
Lounge	One
Shop/Tool Room	One, main deck aft port side
Labs/Enclosed Work Spaces	Two; one main deck, one 02 deck



SCIENTIFIC SERVICES ON A GLOBAL BASIS

TDI-Brooks is a scientific data acquisition services company specializing in multi-disciplinary oceanographic projects covering; offshore geotechnical field services, environmental baseline surveys, seabed geochemical “seep hunting” and heat flow for oil and gas exploration, offshore geophysical surveys for oil & gas, wind farm, metocean, seabed mining, dredging, LNG, and multi-disciplinary oceanographic and high-end environmental chemistry, renewables and marine research.

TDI-Brooks has over 25 years of vessel chartering and management experience and currently operates four research vessels, R/V Gyre, R/V Proteus, R/V Miss Emma McCall and R/V Brooks McCall.