

Date:- 26th June, 2017

**SIMON LLOYD - PARKER
MARINE SURVEYORS AUSTRALIA**

PO.Box797

Bribie Island 4507

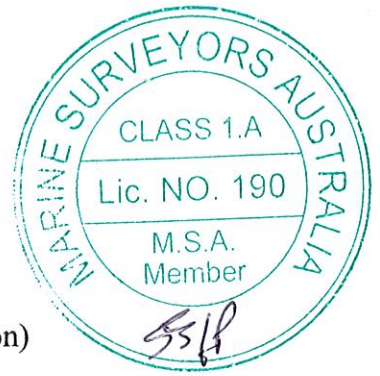
0412 838 025

A.B.N – 75 116 094 731

Member of MQ (Marine Queensland)

Treasurer of MSA (Marine Surveyors Association)

Member No: 190 .Class 1/A



INSURANCE SURVEY

Vessel:- "Merops"
Client:- Louis Rohan Tillett
Phone:- 0435 880 886
Address:- Unit 63/ 314 George St. Waterloo NSW, 2017



VESSEL DETAILS

Registration No:- Australian O.N: 85291 QLD Rego:-JR603Q –expires 1/4/2018

LOA:- 42ft

Beam:- 3.5mt

Draft:- 7.6ft

Displacement:- 17 tonnes

Year:- 1985

Construction:- Round bilge rolled steel hull and steel flush Deck built in Maroochydore QLD by Horst Dietman

Engine Type:- Petter 3 cylinder 33hp marine Diesel

HULL

External

The vessel was inspected on the hardstand at Lawrie's Marina, Kawana Sunshine Coast QLD on Monday 26th June 2017.

The Hull configuration is canoe stern aft cockpit and forward cabin with a flush deck. The Rudder and Keel profile is full keel/cut away for foot and rudder hung off keel with a secondary spade rudder for the Aries wind vane steering system. She is rolled steel over steel frames every 3 feet and longitudinal flat bar stringers 12 inches apart, in other words very strong –a ship Even though The Hull is in good condition for her age, her new owners are sandblasting, epoxy priming below water line as extra protection and applying new antifoul at time of survey.



Hull below water line as lifted at Lawrie's Marina

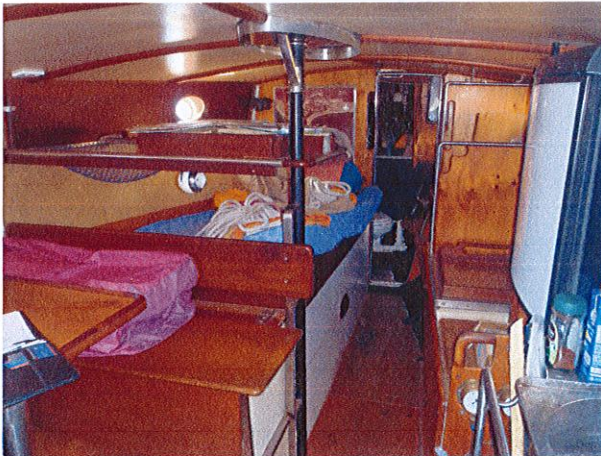
Internal

She presents in good condition with fabric upholstery and plywood cabinets and bulk heads, trimmed in solid teak and all varnished. On entering her via main cockpit companion way, to starboard a quarter berth and couch, with long bench shaped galley. Galley has a Roden 4 burner gas stove and oven and a 24vlt Danfoss fridge plus a Eutectic freezer. To port a Navigation station, ahead a double berth and forward again a dinette style dinning area. Centred is the engine room with crew's cockpit above and access to foredeck. Heading forward again is a second double berth to port and manual toilet/shower in her bow. Ahead of toilet is the anchor locker.

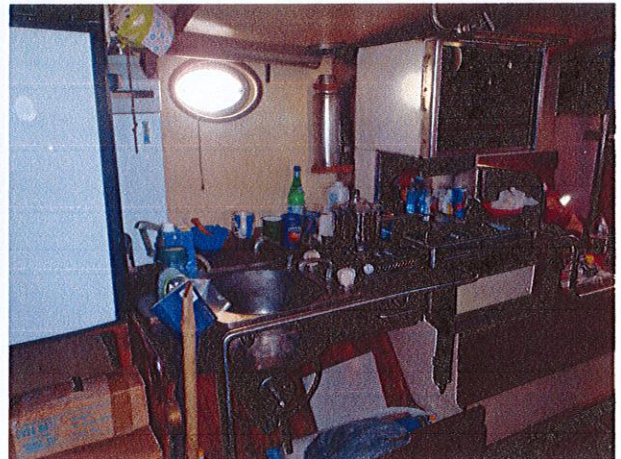
Water Capacity and Tankage – 100 gallons

The 20mm Perspex windows appear to be in good condition.

The main companionway hatch and deck hatches are in good condition.



Main Cabin



Galley

SPARS AND RIGGING

Merops is Cutter Rigged. All 1 x 19 Stainless Steel Rigging Wire appears in good condition and no sign of rust, but age unknown.

There are 6 x Arco Winches all in good condition

The alloy mast and boom is original and has a Mainsail plus spare, 1 x Furling Genoa, 3 x Jibs, 1 x MPS, 1 x hank on jib and a storm sail plus storm trysail-all in good condition. She has an Allmasts brand of roller furling system fitted to Genoa. All running rigging is in good condition.

DECK

Merops is flush decked with coach hose and 2 x cockpit configuration yacht. The deck is steel with good non-skid painted on.

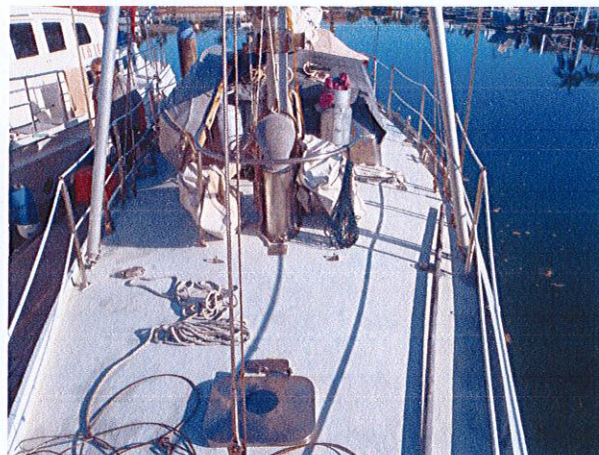
The anchoring arrangements are sufficient for this size vessel with 1 x 65lb CQR, 1 x 40lb stainless steel Danforth and 300ft of 3/8 galvanised chain all lifted by a Muir electric Windlass. Wheel steering is in centre of aft cockpit with canvas cockpit Bimini. She has an enclosed dog house for heavy weather steering via internal tiller system. This vessel was built for Antarctica and higher latitude sailing, a strong and seaworthy design.

All deck fittings appear in good condition for her age.

The deck hatches are all good. The vessel is fitted with stainless steel railing and stanchions with stainless steel safety wire completely surrounding the deck. The navigation lights all appeared to function correctly.



Cockpit



Foredeck

INTERNAL FIXTURES AND SYSTEMS

The vessel is fitted with 1 x manual Toilet and 1 x Shower - no holding tank

The vessel is fitted with 2 x Electric Bilge Pumps with float switches

The Vessel is fitted with a Roden 4 Burner Gas Stove and Oven.

The Vessel is fitted with a Danfoss 24 volt Fridge and Eutectic Freezer system

She also has a Diesel fuel heater for cabin heating.

TANKAGE AND PLUMBING

Freshwater Tank: - 1 x 100 gallons- all skin fittings, hose clamps and plumbing appear to be in good condition. Gate valves are stainless steel

Diesel Tank is mild steel and holds 200 gallons

ELECTRICAL

The 24 Volt electrical installations are all fitted with fuses

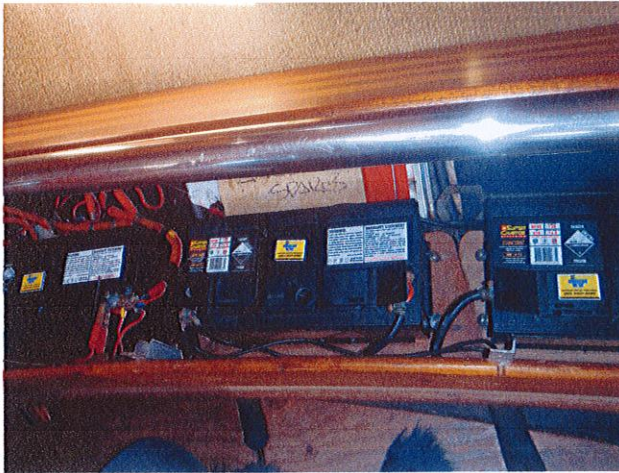
The vessel is fitted with 240 Volt shore power

There are 3 x 12 volt Batteries all appropriately mounted. 2 x House cross wired to produce 24 volts and 1 x 12 volt for engine Start and instruments/radio

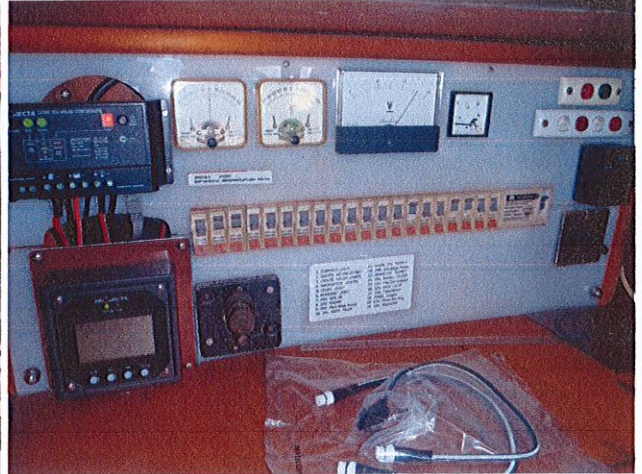
The electrolyte level should be periodically checked as part of a routine maintenance programme.

1 x Inverter

1 x approx.150 watt Solar Panel



Batteries



Main switch board

Electronics

1 x Furuno 33 GPS

1 x Furuno Navnet -Cmap 111 plotter with integrated Radar

1 x AP4- Autopilot

1 x Raymarine depth Sounder and Log

1 x Wagner HF Radio

1 x Raymarine 70- VHF Radio

2 x Cestral Compass

1 x Barometer/Clock

1 x Panasonic C.D./radio



Furuno Navnet plotter



Wagner HF radio

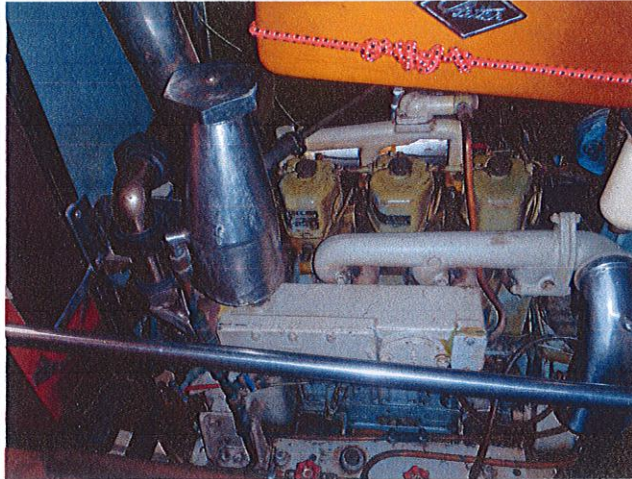
MACHINERY

Petter 33hp/p 3 cylinder Diesel with Borg Warner 2-1 reduction gearbox– hours not recorded – in Good Condition

Fuel Tank – 200 gallons

This engine is keel Cooled and driving a straight shaft with 3 blade bronze propeller

Performance: 5 Knots.



33hp Petter marine diesel

SAFETY EQUIPMENT

Life Jackets – 4 x PFD1's and 4 x auto inflate plus 2 x safety harness

Epirb – GME – Expiry 10/2027

Flares pack new – in date

Life Ring x 1

Horn x 1

V Sheet x 1

Safety Harness x 2

Bilge pumps 2 x auto Electric

Fire Extinguisher 2 x 1kg Dry Powder

EXTRA EQUIPMENT

Bimini and Dodger

1 x 8ft tinnie

1 x 3hp Mercury outboard

1 x Aries wind vane self-steering

GENERAL COMMENTS

Merops appears to be superbly constructed in rolled steel. Her hull configuration i.e, full keel, rudder hung of back of keel and canoe stern is a fast and very sea worthy design capable of tacking her crew to any part of the world they desire, be it Antarctica, Cape Horn or Caribbean. She was built by the well renowned Horst Dietman and circumnavigated Australia and is one of the strongest boats I have surveyed. Her cutter rig is a good strong cruising design for fast blue water sailing. The interior of the vessel is in good condition giving a warm and comfortable, though slightly eccentric appearance.

VALUATION

This valuation has been devised in accordance with current market value for this type of vessel, founded on design, professional construction also the condition, attention to detail and equipment onboard on the date of inspection and is for insurance purposes only:-

Hull and Deck	\$ 50,000
Rig and Sails	\$ 20,000
Engine	\$ 8,000
Electronics & Miscellaneous	\$ 10,000



Total Estimated Value: **\$88,000.00**

Disclaimer:- This report was formulated from information collated from the present owner , and a visible inspection of the vessel's accessible areas only. The equipment and information supplied at the time and date of inspection. This survey is for insurance purposes only.

**MANAGER
MARINE SURVEYORS AUSTRALIA**

**MSA MEMBER No: 190
SIMON LLOYD - PARKER**

MARINE SURVEYORS AUSTRALIA INVENTORY
Member of MQ - Member of MSA Member No: 190
33 Kangaroo Ave, Bribie Island Qld 4557
Phone: 0412 838 025

Class	Cutter	Name	Merops	Price	\$88,000.00
Designer :	Halverson / Freya		Horst Dietman built		

General Particulars

LOA	42ft	Beam	3.5m	Draft	2.15 mt	Displacement	17 tonnes
Hull	Round bilge steel						
Last Anti fouled	at time of survey						
Rudder and Keel Profile	Full keel cut away forefoot and rudder hung off keel						
Deck	Cabin and deck steel						
Rig Design	Cutter	Survey					
Registrations	Australian ON. 85291	QLD	JR603Q -1/4/2018				
Launch Date	1985						
Comments:	Good						

Accommodation

Berths	2 x double, 1 x single						
Showers	1	Toilet	1 x manual no hold tank				
Water System	Pressurised	Hot	yes	Cold	yes		
Interior Finish	Teak and plywood varnished			Head Room	yes		
Air Conditioning	no	Dryer/Washer	no				
Comments	Good						

Galley

Fridge	Danfoss 24 volt	Freezer	Eutectic	Ice Box			
Stove Type	Roden 4 burner gas stove and oven			Microwave	no		
Water Capacity & Tankage	1 x 100 Gallons						
Storage	plenty			Curtains	no		
Comments							

Machinery

Engine Details	33hp Petter 3 cylinder diesel						
Serial No:	MAR 8843			Hours	Unknown		
Cooling System	Keel cooled						
Drive System	Straight Shaft			Props	3 blade fixed		
Performance	5 knots			Fuel Capacity / Tanks	1 x 200 gallons in keel		
Genset	no	KVA			Water maker	no	
Alternator/Battery Charger	yes						
Comments							

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<i>Sails, Spars, Rigging</i>			
Sail maker	Rollie Tasker Sails		
Sails & Condition	2 x Mainsails, 1 x Furling Genoa, 1 x MPS, 3 x Jibs, 1 x Storm Jib and Trysail – all in good condition.		
Rigging	1 x 19 stainless steel wire	Age	Unknown
Winches	6 x Arco		
Spars/Deck Gear	Alloy mast and boom	Furling	Allmasts
Comments: Good			
<i>Electronics & Navigation</i>			
GPS	Furuno GP 33		
Plotter	Furuno Navnet –C map		
Radar	Furuno integrated		
Auto Pilot	AP4		
Sounder	Raymarine		
Log	Same		
Wind Instruments	no	Weather Fax	
Barometer/Clock	Yes Barometer	Compass	2 x Cestrel
Comments:			

<i>Electric Systems</i>			
Voltage	24 and 12 volt	Switch Board	yes
Shore Power	240 volt		
Batteries	2 x 12 volt cross wired to 24 volt for house and 1 x 12 volt for engine start		
Solar Panels	1 x 150 watt		
Inverter	Yes		
Wind Generator	no	Fused/Circuit Breakers	yes
Comments:			

<i>Communications</i>			
HF	Wagner	VHF	Raymarine 70
Mobile		Sat Phone	27MEG
Other			
Comments: good			

<i>Entertainment</i>			
CD	Panasonic	TV	DVD
Video		AM/FM	Other
Comments:			

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<i>Safety Equipment</i>									
Life Raft	no	EPIRB	GME expires 10/2027						
Life Jackets	4 x Auto inflate and 4 x PFD1								
Bilge Pumps	2 x auto electric								
Safety Harness	2								
Flares	Yes new								
Fire Extinguishers	2 x 1kg dry powder								
V Sheet	yes	Dan buoy	yes	Life Rings	1				
First Aid Kit	yes	Spotlight	1			Horn	yes		
Jack lines		Other							
Comments:									
<i>Exterior Equipment</i>									
Anchors	65lb CQR, 40lb Danforth								
Ground tackle	300ft x 10mm chain								
Windlass	Muir electric	Bowsprit	no	Safety Netting					
Dingy	1 x 8ft Tinnie								
Outboard	3hp Mercury								
Comments: Good									
Bimini	yes	Dodger	yes	Cockpit Awning	yes				
Marlin Board		Cockpit Shower		Ice Box					
Rod Holders		Game Poles		Transom Door					
Davits		Lazy Jacks	no	BBQ	no				
Comments:									
<i>Other Details</i>									
Current Owner	Louis Rohan Tillett, Unit 63/314 George St, Waterloo NSW.2017								
Years	Phone 0435 880 886								
<i>Comments</i>									