GEOFF CRUSE –MULTIHULL & MARINE CONSULTING

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MULTIHULL ADVISORY SERVICE - PRE-PURCHASE & RIGGING SURVEYS - CUSTOM DESIGN

INSPECTION REPORT SUMMARY
FOR
Craig Freier

BOAT NAME:	**Euphoria 1**	**HIN:**	**AUS:**	**857516**		**REG. NO:**	**XS946Q**
DESIGN:	**Farr Phase 4**					**TYPE:**	**sailing monohull**
LOA:	**12.03m**	**BOA**	**3.8m**	**DR:**	**1.8m**	**DISP:**	**8t approx**
RIG:	**Fractional sloop**						
BUILDER:	**Whitsunday Yacht constructions Pty Ltd**					**YEAR:**	**1989**
CONSTRUCTION:	**GRP**						
INSPECTION AT:	**Lawriers Marina Mooloolaba Qld**					**DATE:**	**5/2/2020**

VALUATION:	**SHELL AND FIXTURES**	**$ 40 000.00**
	RIG	**$ 25 000.00**
	MOTOR/S	**$ 7000.00**
	EQUIPMENT	**$ 23 000.00**

Approximate Market Value from $ $ 90 000.00 to $100 000.00

This report is provided in good faith for the exclusive use of the above named on the understanding that although all due care was taken there remains the possibility that defects may go unnoticed or would not be found without interfering with the boats structure, fittings or finish including lining and covers. Although I believe the contents of this report to be accurate I cannot guarantee this and therefore the information is supplied without liability for any error or omission or for any loss or other consequence which may arise from reliance on this report.

Machinery and instrumentation and equipment appear to be in good working order unless otherwise stated but a detailed technical examination has not been carried out.

The valuations in the accompanying report are approximate market values based on between 80% of the new value for near new equipment down to 50% for older equipment in good working order.

SIGNED: _____ **DATE:** 13/2/2020

G.P. Cruse (for Hamilax Pty Ltd ATF)

CLIENT: **DATE:**

STRUCTURAL SHELL

	ok/note	comments
HULL/S	x	No signs of significant osmosis, delamination or impact damage
UNDERWING		n/a
COACH HOUSE	x	Sound
DECK	x	No damage
COCKPIT/SCUPPERS	x	Adequate drainage
BOARD CASE		n/a
KEEL/BOLTS	x	Steel w/lead bulb. Bolts and plates in good condition.
FRAMES/STRINGERS	x	Frames and stringers bonded. sound.
BULKHEADS	x	Sound
MAINBEAMS		n/a
ROT PROOFING		n/a
FASTENINGS	x	S/steel
RESIN	x	polyester

NOTES:

NOTE: Shell tested by percussion and sonic methods with RF moisture metering where applicable.

HATCHES/PORTS/WINDOWS

SEALS	x	No signs of significant leaks.
HATCHES	x	Serviceable
CATCHES	x	Serviceable
WINDOWS/MATERIAL		Acrylic Attachment: Adhesive sealant and S/steel fastenings
SECURITY	x	Can be securely locked
COMPANIONWAY	x	Sliding hatch w/ stormboards

NOTE: Leaks are not always detectable and may occur inter alia, from changes in temperature, stress on the structure and fittings, or ageing of sealant.

UNDERWATER EQUIPMENT

SEACOCKS	x	Serviceable,
SKIN FITTINGS/HOSES	x	Sound. Double clamped.
STERN GLAND		n/a
PROP SHAFT		n/a
BEARINGS		n/a
PROP SKEG		n/a
TRANSDUCER	x	OK
LOG IMPELLOR	x	OK
RUDDER/S	x	Adequate size and shape.
RUDDER SHAFT	x	S/steel
RUDDER GLAND		No leaks
RUDDER BEARINGS	x	No excess play
BOARD/S		n/a
EARTH PLATE	x	Sound
ANODES	x	Serviceable.
OTHER		

STEERING

TILLER/WHEEL	x	S/steel wheel
MECHANISM	x	Chain and synthetic cable to quadrant
LINKAGES	x	Sound
PULLEYS	x	Free
EMERGENCY	x	Tiller attachment

ADDITIONAL NOTES:

ENGINE

TYPE/MAKE/YEAR		Volvo Penta SD130 diesel 2006
SER NO/ HOURS		86897 Approx 2500hrs
BEDS AND MOUNTS	x	GRP bed w/ flexible mounts
CONTROL SYSTEM	x	Single lever morse cable
FUEL SYSTEM/FILTERS	x	Diesel w/ prefilter
TANK/FILLER	x	Deck filler
ELECTRICAL	x	Standard harness
COOLING	x	Fresh water heat exchanger
EXHAUST	x	Water cooled Trap and gooseneck
DRIVE	x	Sail drive
PROPS	x	2 blade folding bronze

NOTE: A comprehensive mechanical assessment has not been undertaken. Any items of concern discovered should be referred to a qualified mechanic.

ELECTRICAL SYSTEM

BATTERY/SECURITY	x	House:4 x 120 a/hr AGM sealed Cranking: 1 x 65 a/hr AGM. All secured.
CHARGING	x	Engine Alt, Solar ,
WIRING	x	Double insulated. professional installation
FUSEBOX	x	Comprehensive w/ circuit breakers. Separate 240v and RCD
ISOL. SWITCH	x	Both circuits
INTERIOR LIGHTS	x	QI Incandescent. 12v
NAV LIGHTS	x	Appear compliant. Deck/steaming light U.S.

NOTE: 240v Installations can only be approved for compliance by a qualified electrician.

LPG INSTALLATIONS

CERTIFICATION	x	No. 872679 of 2/8/2015 Lic. No. L50316
DETECTOR		
STOVE/VALVE	x	Yes
HWS		
BOTTLES/LOCKER	x	Appears compliant
OTHER	x	External BBQ w/ separate bottle.

NOTE: States may have varying regulations. A Licensed gasfitter is recommended to ensure compliance.

INTERIOR UTILITIES

GALLEY FIXTURES	x	2 s/steel sinks, benchtop, cupboards and drawers
COOKING FACILITIES	x	Stove and oven.
REFRIGERATION	x	Danfoss 12v builtin refrig and freezer
TOILET/ STORAGE	x	1 x Marine 12v, 1 x Composting toilet..
SLEEPING	x	3 x double cabins
NAV/COMMS	x	Nav in saloon and helm station.

ADDITIONAL NOTES:

DECK FITTINGS

PULPIT	x	S/steel forward and aft corner rails
STAUNCHIONS	x	S/steel
SAFETY LINES	x	Synthetic
TRAMPOLINES		n/a
MOORING CLEATS	x	OK Large s/steel bollards and aluminium cleats.
TRACKS/PAD EYES	x	OK
WINCHES/ CLEATS	x	OK
OTHER		

GROUND TACKLE

	Ok/note	comment
BOW ROLLER	x	Twin rollers on bronze fitting on bowsprit
ANCHORS	x	1 x 20kg Rocna, 1 x 25kg plough
CHAIN	x	80m 10mm galv.
LINE	x	50m x 3 str nylon.
BRIDLE		n/a
WINCH	x	Muir vertical 1200w.
CONTROLS	x	Fwd. Up/down
CLEATS	x	Alumium.

SPARS AND RIGGING

MAST/RIG/AGE	x	Aluminium two spreader anodised fractional
MIZZEN		n/a
MAST STEP	x	Aluminium keel stepped fixed.
BOOM/S	x	Aluminium anodised w/ centre boom sheeting. Rodkicker vang.
GOOSENCK	x	aluminium/s/steel
SPIN POLE	x	Aluminium
RIGGING WIRES/AGE	x	1 x 19 s/steel good alignment, no corrosion or fatigue apparent. 2019. (Rope Solutions)
RUNNING RIGGING	x	Spectra and polyester double braid appears in good condition
FURLING	x	Furlex on forestay
CHAINPLATES	x	S/steel No undue wear visible. Attachment sound.
MAST WINCHES		n/a
DECK LAYOUT	x	Conventional w/ tracks and cars.

NOTE: A full top to bottom rigging inspection has been conducted and found to be in good condition .

SAFETY

BILGE PUMPS	x	MANUAL: Cockpit and Engine room ELECTRIC: 4 x 12v (inc. 2 shower pumps)
AUTO SWITCHES	x	All pumps
FIRE EXT	x	4 x 1kg dry chemical, GAUGES: OK Fire blanket.
FLARES	x	To Dept of Transport Regs. EXP. DATE: To be supplied
LIFE JACKETS	x	4x inflatable 150N
MOB/LIFE BUOYS ETC.	x	1 x Horseshoe , 1 xlifering
EPIRB	x	Safety Alert 406 BATTERY EXP: 2023
V SHEET	x	OK
LIFERAFT	x	4 Man . Not certified.
SPOTLIGHT	x	12v Handheld
OTHER		

NOTE: Yacht racing regulations vary for different categories of races. This report does not attempt to provide a guide for racing safety conformation.

SAILS

	Description	Age/condition
MAIN	Hydranet full battened	15 sound
HEADSAILS	Quantum dacron furling genoa	6 good
	No2 Dacron furling	serviceable
	No 3 Dacron furling	serviceable
	No 4 Dacron furling	serviceable
STORM JIB	Orange dacron	good
SPINNAKERS	Nylon symmetrical w/ sock	good
OTHER		
	Boom bag with lazy jacks	good

NOTE: True condition of sails can only be established under actual sailing conditions. "Good condition" may not indicate efficient shape for performance. Dacron sails may last many years but quickly lose ideal shape while laminate sails hold their shape very well but may fail catastrophically without warning after a few years.

ELECTRONIC EQUIPMENT

	details
RADIO HF	ICOM M802
RADIO VHF	Lowrance Link 8
RADIO 27MG	
STEREO	Sony am/fm/cd
SOUNDER	Lowrance
LOG/SPEED	
WIND	Raymarine Tack Tick (Wireless)
AUTOPILOT	Raymarinev ST400+
RADAR	
GPS/PLOTTER	Onwa KP708 w/ AIS transponder.
STEERING COMPASS	Plastimo 135
TV/	Kogan 24" LED DVD
COMPUTER	
EPIRB	Safety Alert 406
OTHER	Ctek 300 charger
	Inverter 1000W

INTERIOR EQUIPMENT

STOVE	Broadwater Marine 2 burner/oven
HWS	
REFRIG	Danfoss 12v refrig/freezer
TOILET/SYSTEM	TMC 12v, Natures Head Composter.
SOFT FURNISHINGS	Foam fabric saloon lounge
MATTRESSES	3 x doubles
GENERATOR	
PRESSURE PUMP	Fresh water.
OTHER	

DECK GEAR

SHEET WINCHES	**Lewmar 44ST, Barlow 22ST, 2 x 27ST, Meissner 2 x 27**
SAIL CONTROL	**Frederickson and Ronstan**
SOLAR PANELS	**2 x 80w, 1 120w**
DINGHY	**Highfield 290 Alum. RIB (2019)**
OUTBOARD	**Tohatsu 9.8 (2019)**
BIMINI	**S/steel and Fabric cockpit cover and dodger**
BBQ	**Grillmaster LPG**
DAVITS	**S/steel tube type.**
OTHER	

NOTE: All equipment listed appears to be in good working order unless otherwise stated. Some items may not be tested where testing is impractical.

COMMENT ON GENERAL APPEARANCE

INTERIOR: Varnished timber furniture, soles and panels with some painted work all in well maintained condition. Headlining is gelcoat GRP moulding and saloon lounge is foam fabric.

EXTERIOR: Moulded painted gelcoat topsides, coachhouse and cockpit with some areas showing UV damage and crazing. Moulded non skid on working decks is worn but has retained fair grip quality.

The design of the vessel is suitable for extended offshore voyaging.

TOTAL EQUIPMENT VALUE	**$ 55 000.00**
HULL VALUE	**$ 40 000.00**
TOTAL VALUATION	**$ 95 000.00**

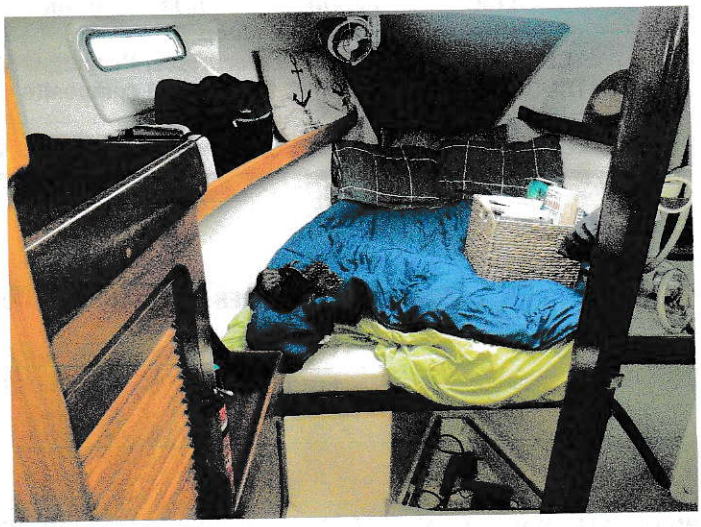
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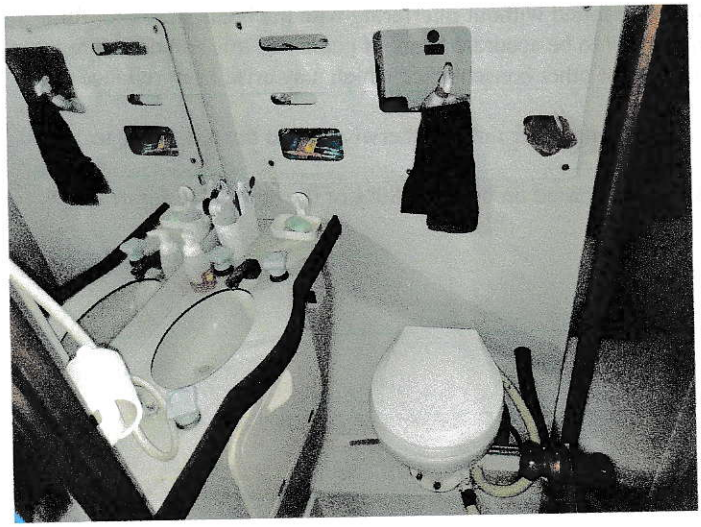
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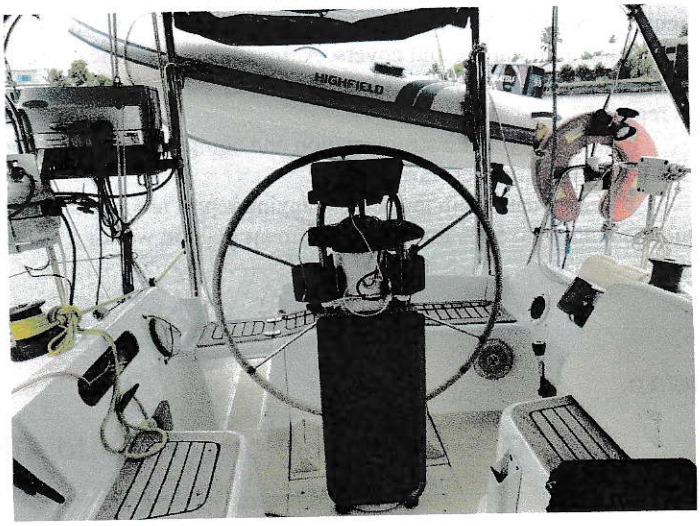

Euphoria
Mooloolaba










HIGHFIELD