



Pre-Purchase Condition Survey

Monday 6th November 2017

Mahé 36 Evolution Duo
MSQ Registration: XW227Q
HIN: FR-FPA17114D010



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1. Introduction

This is to certify on the instruction [REDACTED], prospective purchaser of the Mahé 36 Evolution [REDACTED]. The undersigned surveyor made a pre-purchase condition survey on hardstand and afloat at Boatworks QLD 4209 on Monday 6th November 2017.

Conditions

Weather, clear 24°C

Identification, structural and cosmetic condition

Systems, condition, testing and operation

Mast and rigging aloft and sails raised on trial

Machinery condition and performance on trial

Out of water survey on hardstand at Boatworks

Sounding, moisture, battery, RCD and AC polarity

Scope

This survey report identifies the vessel and its structural and cosmetic condition, afloat and out of water. The condition and operation of the systems, equipment and performance of the machinery on trial. Safety equipment and compliance for the intended use and area of operation, including insurance appraisal.

Limitations of Access

1. Foam core to the hulls and bridgedeck, deck and cockpit, house and hardtop and internal structure
2. Sealed buoyancy compartments to the forward storage, aft cabins and the aft engine compartments
3. Hull and deck in way of moulded fibreglass ensuites to both hulls forward
4. Bridgedeck in way of two blue freshwater tanks sighted in and from the chain locker
5. Internal condition of the polyethylene diesel and freshwater tanks
6. Hull and deck in way of the moulded fibreglass hull and deckhead linings

Classification of survey findings

	Findings	Recommended
A	Critical safety issue with the risk of structural failure, flooding, instability, fire, explosion, electrocution, pollution, injury or loss of life, for priority repair before further navigation	
B	Significant issue that may affect or compromise safe operation and navigation for repair within (2) months and in any event prior to open-waters navigation	
C	Minor, cosmetic, service, maintenance, advisory and potential high-cost issues, recommended within service, maintenance and refit schedules	

Abbreviations

LOA Length Overall, **LH** Length of hull, **LWL** Load Waterline Length, **HIN** Hull Identification Number
FRP Fibreglass Reinforced Plastic, **Stbd** Starboard, **SS** Stainless Steel, **DOM** Date of Manufacture.
NDT Non-Destructive Testing, **WOT** Wide Open Throttle, **PSS** Propeller Shaft Seal, **RCD** Residual Current Device, **HWS** Hot Water Service, **LPG** Liquefied Petroleum Gas, **LCD** Liquefied Crystal Display.
CPU Central Processor Unit, **AIS** Automatic Identification System, **EPIRB** Emergency Position Indication Radio Beacon, **MMSI** Maritime Mobile Service Identity, **RMS** Roads & Maritime Services, **MSQ** Maritime Safety QLD, **AMSA** Australian Maritime Safety Authority, and **YA** Yachting Australia safety category 1, 2.
Items in italics sourced from the design particulars and sale listing were not verified including *dimensions, dry weight, tank capacities, laminate and core schedules*.

Part 15 for the limitations of liability further references the scope of this survey report.

E-Marine Survey Services

- Pre-purchase condition marine surveys
- Condition & valuation for insurance appraisal
- Marine insurance claims assessment
- Valuations for insurance, finance, legal and customs
- Non-destructive testing for underlying condition
- Consultancy for repair, refit and new construction

2. Vessel Particulars

Name:		LOA:	11.0 m	
Design:	Mahé 36 Evolution Duo by Joubert-Nivelt	LWL:	10.7 m	
Builder:	Fontaine Pajot France in 2010	BOA:	5.9 m	
MSQ Reg:	XW227Q	Draft:	1.1 m	mini keels
HIN:	FR-FPA17114D010	Dry Weight:	5,000 kg	
Engines:	Volvo Penta D1-30 and 130S	Serial Nos:	5102125607U	5102125622U



3. Construction & General Arrangement

Light displacement production fibreglass cruising catamaran with mini keels and spade hung rudders. Resin infused composite fibreglass construction, solid laminate mini keels and below the turn of the bilge, PVC foam core above from sounding and internal examination. Composite deck and cockpit, house and hardtop, internal structure and furniture. Mini keels recessed into the hulls, composite spade rudders in tubes extending well above the waterline. Laminate, core and resin schedules are unknown.

General Arrangement Plan

