



ACN 159 298 558

ABN 98 159 298 558

# Howells Maritime Services

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● Marine Surveyors

● ISO Container Surveyors

● Marine Consultants

## SURVEY REPORT No H17-779

THIS IS TO CERTIFY, that at the request of Len and Rosalie Platt, PO Box 1468, Cairns, Queensland 4870, the undersigned Marine Surveyor on the 29/12/2017 attended the sailing yacht:

### “MOONSHADOW”

Whilst she was slipped at Smithy’s Slipway, Cairns for the purpose of carrying out a condition survey for insurance purposes.

*All services provided by Howells Maritime Services will be conducted in accordance with the company’s Standard Terms and Conditions which can be supplied either on request or found at [www.howellsmaritime.com.au](http://www.howellsmaritime.com.au).*



## 1. Vessel Particulars:

Length : 15.24 m  
 Beam : 4.20 m  
 Draft : 1.82 m  
 Displacement : 16 tonnes approximately  
 Registration : Queensland recreational GS048Q, expires 10/04/2018  
 Australian Register of ships, official # 858236  
 Design : Gulfstar 50 Mk II  
 Builder : Gulfstar Yachts, Florida, USA  
 Launched : 1977

## 2. Construction:

Hull Material : Solid fibreglass construction  
 Bulkheads : 4x structural  
 Deck : fibreglass  
 Superstructure : fibreglass  
 Windows : Portlights  
 Handrails : Stainless steel tube pushpit and pulpit rails, stainless steel  
 Stanchions.  
 2x Stainless Steel wire rope guardrails with netting.  
 Anti Fouling : Jotun Sea guardian

## 3. Tanks:

Fuel : 1x Fibreglass  
 Capacity : 378 litres total  
 Water : 2x fibreglass  
 Capacity : 795 litres total  
 Holding Tank : 1x Polyethylene  
 Capacity : 40 litres approximately

## 4. Pumping Arrangements:

Bilge : 2x 12 volt diaphragm pumps  
 1x manual  
 1x 240v submersible emergency pump  
 Alarms : Warning light  
 Fresh Water : 2x 12v pressure pump with accumulator

## 5. Machinery:

Main Engine	: 1x Perkins 4.154, 46 kW @ 3000 rpm Serial # GA10002J002449P
Hours	: 6555 on meter
Gearbox	: 1x Borg Warner CR72, 2.1:1 reduction Serial # 3213
Controls	: Morse Cable
Exhaust System	: Wet with waterlift muffler
Cooling System	: Heat exchanger
Engine Alarms	: Audible
Propeller	: 3 blade propeller, diameter 440 mm
Propeller Shaft	: 1x 2204 stainless steel, 1 ¼" diameter
Auxiliary	: 1x Honda E20i, petrol portable generator
Refrigeration	: Eutectic system for built in freezer and refrigerator Main engine driven R134a compressor
Desalinator	: 1x Pur80, 12.9 litres per hour capacity
Hot water	: 1x Woodys 20 litre heat exchanger/ 240v

## 6. Electrical Supply:

Circuit Voltage	: 12 volt, 240 volt
Alternators	: 1x 12v, belt drive from main engine.
Batteries Starting:	1x 12v, 225 amp hour Gel
House	: 2x 12v, 225 amp hour Gel in 2x 12v banks
Battery Charger	: 1x Flyback 20 Amp
Wind Generator	: 1x Kiss 40 amp
Solar Panels	: 2x Sharp 180 watt with regulator
Invertor	: 1x Giandel 2000 watt

## 7. Steering Equipment:

Primary	: Wheel and cable system
Secondary	: Emergency tiller
Rudder(s)	: Balanced rudder with pintle bearing on skeg

## 8. Ground Tackle:

Winch	: 1x 12v Ideal Windlass Co, vertical capstan and winch Capacity 225kg, 1800 watts
Primary	: 1x SS Bruce with 75 metres of 10mm gal chain Stowed on bow roller
Secondary	: 1x Plough stowed on bow roller
Other	: 1x Danforth

## 9. Sails and Equipment:

Mast	: 1x Aluminium, 2 spreaders- main mast 1x Aluminium, 1 spreader- mizzen mast
Stays	: 10mm SS wire rope with bronze fittings- main mast 8mm SS wire rope with bronze fittings- mizzen mast
Sheet winches	: 2x Bariant 32 self tailing, in cockpit 1x Bariant 17 self tailing, in cockpit 1x Bariant 22, in cockpit 2x Bariant 18, 1x on main mast, 1x on mizzen mast 4x Bariant 22, 2x on main mast, 2x on mizzen mast
Sails	: 1x main sail, stowed on boom with cover and lazy jacks 1x Foresail, stowed on furler with UV strip 1x Mizzen sail stowed on boom with cover.
Spinnaker pole	: 1x Aluminium
Awnings	: 1x Cockpit bimini and dodger clears 1x boom tent

## 10. Accommodation:

Arrangement	: 3/4 V berth in forward cabin, with bathroom port aft. Saloon midships with navigation station to starboard aft and Galley to starboard. Cabin with 2x single berths converted to workshop to starboard of engine compartment. Double berth in aft cabin with bathroom starboard forward.
Furnishings	: Timber panelling with timber trim. Fabric & vinyl covered foam mattresses and settee cushions.
Toilet	: 1x 12v marine toilet, 1x manual marine toilet
Galley	: Located to port midships aft
Appliances	: 1x Force 10, LPG oven/ stove.

1x microwave oven  
 1x Sovereign SS Barbecue, aft deck rail mounted

## 11. Fire Equipment:

Extinguishers : 6x 1kg DCP  
 LPG Alarm : 1x gas detector alarm.  
 Other : 1x fire blanket  
 LPG compliance certificate # 1294716, issued 23/11/2017

## 12. Lifesaving Equipment:

Liferaft : 1x Dunlop 4 man- out of service date  
 Lifejackets : 2x Adult PFD  
 2x N150 inflatable  
 Hand Flares : 2x red, 2x orange, expiry 11/2020  
 Lifebuoy : 1x Horseshoe style  
 EPIRB : 1x SA1G, battery expiry 01/2028  
 Other : 1x V sheet  
 First Aid kit

## 13. Equipment:

Nav Lights : In accordance with collision regulations  
 Compass : 1x Danforth 130mm, magnetic  
 Charts : Electronic and paper charts  
 Publications : Engine and equipment manuals  
 Barometer : 1x Barigo, 100mm brass  
 Clock : 1x Ships Clock, 150mm brass  
 Instruments : Tachometer, oil pressure, temperature and volt meter  
 Radios : 1x Yaesu; HF  
 1x Icom IC-M502; VHF  
 Sounder : 1x B&G on multidisplay  
 Plotter/GPS : 1x B&G V9  
 Radar : 1x JRC 1500 MkII  
 Auto pilot : 1x Robertson  
 1x Autohelm wheel pilot  
 Sound System : 1x Pioneer CD/ radio

## 14. Dinghy and Outboard:

1x Polycraft 3.0 tender on stern davit

1x Yamaha 15FMH outboard, serial # 684K S 1061360H

1x Yamaha 4ACMH outboard, serial # 6E0K S 1014297F

## 15. Valuation:

The following valuation was determined after considering the following:

- Age of the vessel
- Condition of the vessel
- Vessel's equipment and machinery installations and condition of that equipment
- Similar vessels listed on the Australian national market

Hull and permanent fittings:	110 000 AUD
Machinery:	28,000 AUD
Equipment:	35 000 AUD
Tender & outboards	8,500 AUD

Total:	181,500 AUD
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*Valuations are based on opinions only and are not representations of fact, nor do they carry with them any guarantee of the particulars of information on which opinions are based. The Surveyor shall use his best endeavours to provide a valuation which represents, in his opinion, the current market valuation, as defined in the reporting document, of the item to be valued or such other valuation as may be identified in the valuation report but no warranty as to the accuracy of such valuation is given. Valuation is given at this date and no assurance is given the value will remain the same thereafter.*

## 16. Condition Report and General Comments:

The hull was sounded out and no evidence of delamination or osmosis was discovered. Moisture meter readings taken were 25-28% below waterline, 18%- 22% above waterline.

Hull and frames appear sound internally where accessible. Through hull fittings are sound and valves tested satisfactorily. The masts and mast steps are sound. Chainplates are sound. Standing rigging was inspected from the deck and aloft and all stays and fittings inspected were in good condition. Running rigging is in fair condition. Sails sighted are in fair condition, with the mainsail in good condition. All winches checked are in good condition. The cockpit bimini is in good condition. The anchor, winch and chain are of sufficient size and redundancy for the vessel.

The bilges were found clean and dry. Bilge pumping is of adequate size and good redundancy. The engine was not observed running due to vessel being slipped, but appears well maintained. Propeller shaft bearing has no wear. Rudder bearings have minimal wear.

The accommodation spaces are functional and in good condition. Mattresses and settee cushions are in good condition. The forward toilet installation is compliant with current Queensland sewerage regulations. Radios and electronic navigation aids were functioning normally. The mandatory safety equipment is in good condition and in service date except the lifejackets requiring replacement to current standards. For offshore cruising, the liferaft will require servicing and the lifejackets upgraded to SOLAS compliant. Fire extinguishers fitted are sufficient in number and showing charged.

LPG system has recently had a compliance certificate issued and the galley oven/ stove was replaced with a new compliant stove.

Navigation lights fitted are in accordance with international collision regulations.

## 17. Recommendations:

1. Service liferaft
2. Service inflatable lifejackets
3. Replace obsolete lifejackets with SOLAS lifejackets



31/12/2017

R.L. (Zac) Howells  
MAIMS, MNI  
AMSA accredited marine surveyor # 128867

*This report is made without prejudice and is conscientiously believed to be true and accurate.*

*Dimensions and scantlings detailed in this report are indications of size and location and are not to be taken as specifications.*

*Satisfactory stability and freeboard cannot be assumed and remain the responsibility of the owner*

*All reasonable attempts have been made to trace any defects present, however, there can always exist latent defects and those which cannot be discovered without interfering with the vessels structure and fittings.*

*The above report is for the use of the contracting party only and no responsibility will be accepted for use by any other party; it is subject to these qualifications*



# Appendix A; Photographs



Main Engine



Cockpit



Rudder and Propeller



Foredeck



Saloon



Galley