

5/3/2019

Mr Steve Tankey
Level 10, 720 Bourke St
Docklands 3008.

Pre Purchase Marine Survey of
MV 'KNOTTY CAT'
Afri Cat 420 Flybridge Cruiser
Registered number ON 860717.

Dear Steve,

Please find pre purchase survey inspection document for the vessel "Knotty Cat"
inspected out of the water on the 25th of February 2019 7 in water on the 4th of March
2019 in Paynesville, Victoria.

Should you or your insurers have any further questions regarding the survey, please do
not hesitate to contact me.

Yours sincerely,



Robert Ashworth
Marine Surveyor
Ashworth Maritime Services.
AMSA accredited 11167, MIIMSA & MMSA.

KASHWORTH **MARITIME** **SERVICES**

 **SHIPWRIGHTS, ENGINEERS, MARINE SURVEYORS** 



MV 'KNOTTY CAT'
2007 AFRI CAT 420 FLYBRIDGE CRUISER.

Pg 1.

Knotty Cat 5/3/2019.

MV 'KNOTTY CAT' 2007 AFRI CAT 420 POWER CAT FLYBRIDGE CRUISER.

HISTORY

Surveyor attending: Robert Ashworth, Ashworth Maritime Services.

Date & Location: 25/2/2019 slipped at Bullock Island Boatyard, Lakes Entrance,
4/3/2019 berthed at Slip Bight Marina, Paynesville, Victoria, Australia.

Builder / Designer: Built by Richleigh Yachts Inc, Africat Marine, New Germany,
South Africa, July 2007, hull number 42016, Designer Angelo Lavranos.

Survey Classification: Australian registered ship O/N 860717.
Documents sighted on board.

HIN number: ZA – XKJ42016F707.

Dimensions: Length OA 42' / 12.80m, Beam 22' / 6.71m, Draught 4' / 1.22m.

Displacement: 12 tonnes approximately.



Pg 2.

Knotty Cat 5/3/2019.

DESCRIPTION OF VESSEL

Fibreglass reinforced plastic construction with balsa core specifically designed luxury power catamaran.

Powered with Volvo IPS leg drives for efficient fast motoring.

Maximum designed speed of 26 knots.

HULL

Built to commercial standard with vinylester resin to protect from osmosis.

Composite construction with vinylester resin & balsa core.

Solid hull below waterline, balsa sandwich topsides above waterline & in deck.

Solid internal liner construction with cored bulkheads.

The hull underwater surfaces appear in very good condition with no apparent osmotic action.

There are small round gelcoat chips that appear to be a fault in the gelcoat in various areas, no styrene is exuding, not a structural or osmotic item.

Future cleaning down of these spots & filling would be wise to avoid moisture retention.

Moisture meter readings low & acceptable constant over the hull.

The hull is currently being rubbed down & re antifouled.

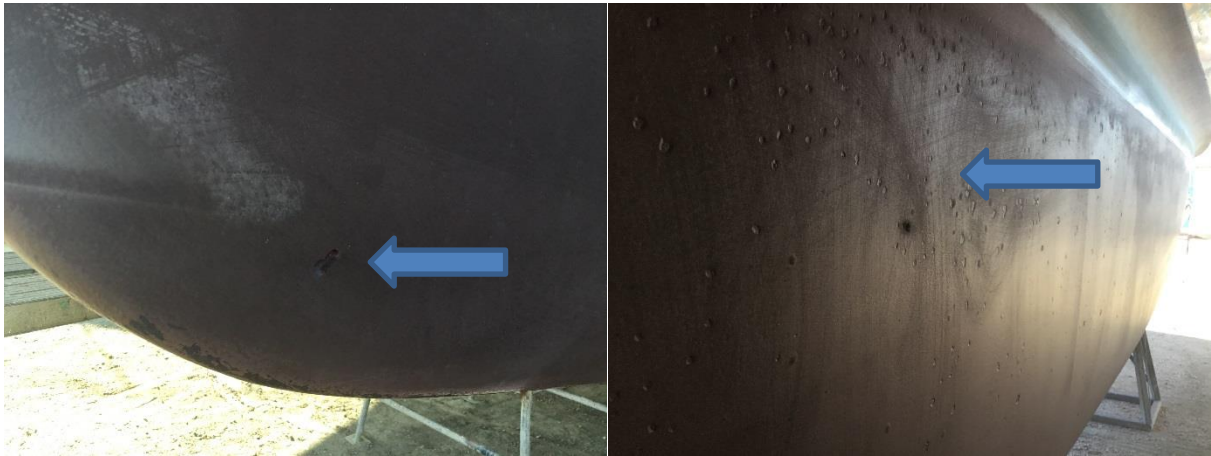
The vessel is regularly slipped & maintained to a high standard.



Pg 3.

Knotty Cat 5/3/2019.

HULL



TOPSIDES

Appear in excellent condition original gelcoat with no apparent service damage noted, topsides polished while slipped.

Rubber & alloy chaffing battens appear in good condition.

Moulded hull duckboards appear in good condition.



Pg 4.

Knotty Cat 5/3/2019.

CABIN & ACCOMMODATION

Exterior;

The exterior of cabin appears in excellent polished condition.

Fitted frameless glass sealed windows appear in good condition.

Oval ports in topsides for accommodation light appear in good condition.

New aft clears fitted.

Accommodation;

Accommodation consisting of port hull forward & aft double berth cabins with central wash place with toilet & shower.

Starboard hull aft owners double berth cabin with large wash place, separate toilet & shower cubicles.

Main deck saloon with starboard galley & large forward settee & table.

Portside refrigeration units & forward electronic & electrical panels.

Engine monitoring panels fitted to cabinet.

Access from main saloon to large aft deck with seating & custom built aft roof cover.

Access to flybridge from starboard side steps.

Access to engine rooms from aft deck hatches.

Interior;

Leather upholstery fiberglass polished headliner.

Quality rosewood & light teak fitout with all fittings & chattels in excellent condition.

Galley & cabinetry with Corian bench tops.

Teak & Hollie planked flooring.



Pg 5.

Knotty Cat 5/3/2019.

CABIN & ACCOMMODATION



Pg 6.

Knotty Cat 5/3/2019.

DECK

Deck & cabin hatches appear in good condition with no apparent leakage.

Deck appears in good condition with non skid moulded pattern.

Stainless handrails appear in good condition & well secured.

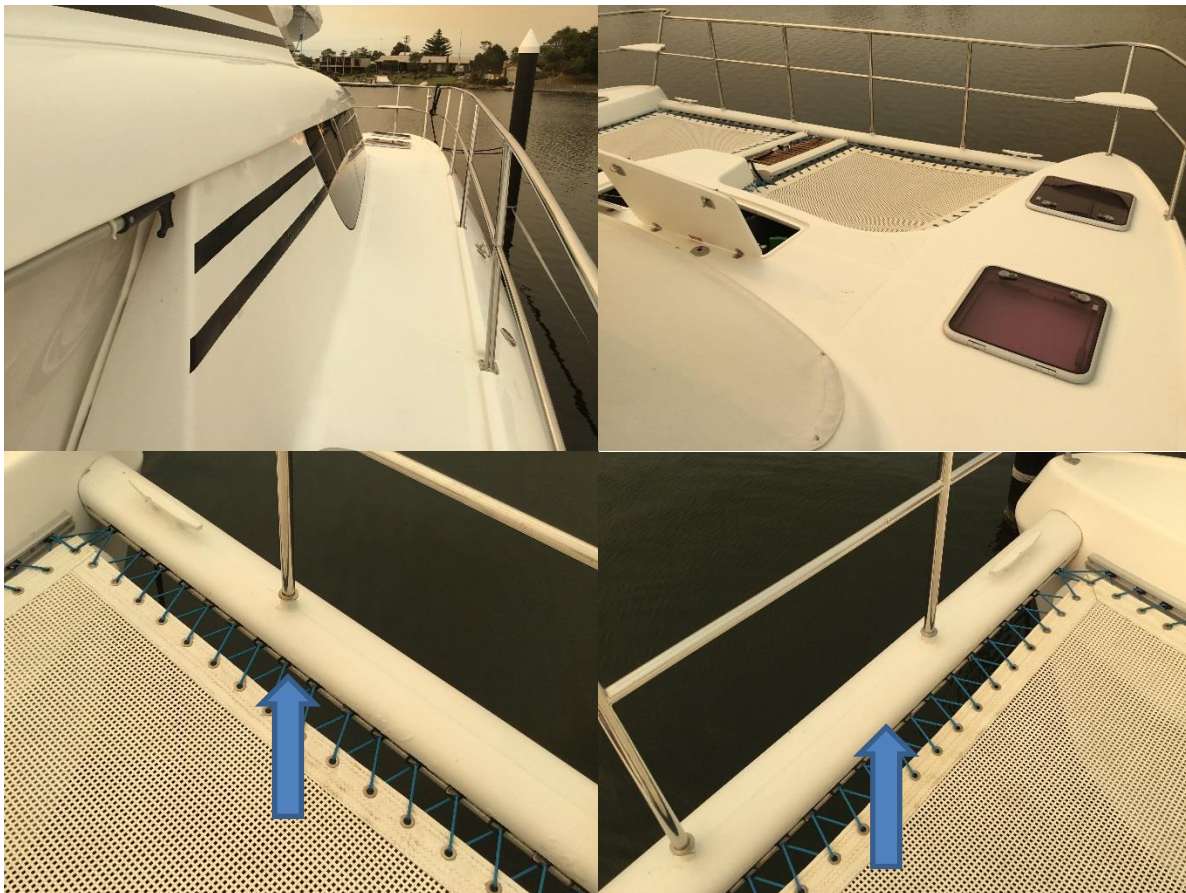
Aft deck area with laid planked cork appears in good condition.

All lockers, mouldings & trims in excellent condition.

Port & starboard boarding platforms moulded into hulls.

Forward trampolines appear in good condition well secured.

*Alloy foredeck beam sections have slight corrosion under the paint near trampoline tracks.



Pg 7.

Knotty Cat 5/3/2019.

FLYBRIDGE

Flybridge appears in excellent condition with fully moulded console & furniture.

Moulded Eva Cool utectic refrigeration unit.

Hardtop roof with new clears & sun covers fitted.

Additional aft deck hardtop with clears & sun covers fitted appear in excellent condition.



MACHINERY

The engine rooms appear in good clean condition.

The engine room bilges are clean & dry.

*Slight oil on engine bed under oil filters port side.

Main engines;

Twin Volvo Model D 6 – 435KA IPS 600 320 kW / 435 horsepower turbocharged supercharged intercooled diesels.

Engine nos. - Port 868816 - 1101059190, Starboard 868816 - 1101059187.

Engine hours – 1456 from Simrad engine management system.

The engines are due service.

*Advise replacement of raw water fuel cooler hoses if they have not been changed in engine servicing to avoid risk of splitting (common problem).

Transmissions;

Starboard Volvo Penta IPS-B 82 3819564 no. 3194002791.

Port Volvo Penta IPS-B 82 3819564 no. 3194002790.

*Corrosion noted to internal starboard IPS ring seal bolts - treatment required.

Pg 8.

Knotty Cat 5/3/2019.

MACHINERY



Propellers;

Twin forward facing IPS duo props appear in good condition with Propspeed anti fouling product applied.



Pg 9.

Knotty Cat 5/3/2019.

MACHINERY

Exhaust system;

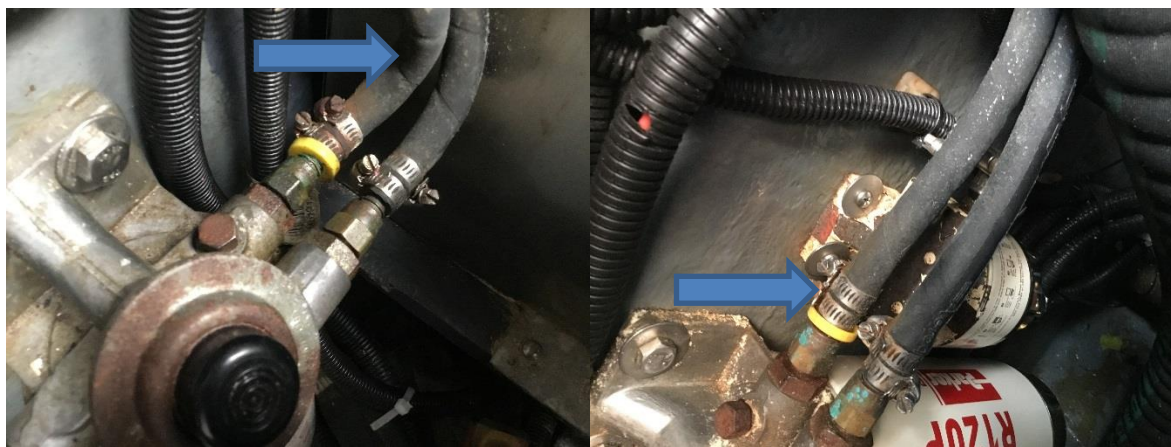
Exhaust systems appears in good condition exiting through IPS drives.

Fuel system;

Primary & secondary fuel filter system with Racor type priming fuel filters.

*Fuel lines kinked at starboard primary fuel filter appear in fair condition advise replacement.

*Small poor quality fuel line hose clamps to primary filter showing corrosion require replacement.



Tankage;

Plastic in hull fuel tankage of 4 x 800 litre with fuel transfer pumping system.

Built in plastic water tankage of 1000 litre capacity.

Built in plastic sullage tankage.

2 x Turtle Pac 430 litre bladder tanks (not sighted).

Plumbing;

All plumbing & pressure systems appear in good condition & operational.

Bilge plumbing appears in good accessible condition.

Weed trap filters & valves appear visually in good condition.

Aft deck shower starboard side.

Seaward 20 gallon HF 2200 120 volt & engine driven hot water service in engine room.

Village Marine Tec Squirt water maker with remote start.

Pg 10.

Knotty Cat 5/3/2019.

DECK MACHINERY

1 x UMT electric tender crane.

ENGINE & STEERING CONTROLS

Twin lever Volvo Penta EVC electronic throttle & gear controls.

Upper & lower control stations.

Joystick controls for docking.

Single flybridge station wheel hydraulic steering appears in good condition.

Full engine gauging & alarm systems.

ELECTRICAL SYSTEM

12, 120 & 240 volt fully isolating system.

Engine, house & auxiliary separate supplies & isolating systems with emergency linking.

120 volt circuit board with volt & amp meter.

AC panel with circuit breakers.

12 volt panel with circuit breakers for all accessories.

Engine start batteries located in engine rooms 4 x 1000cca new 2018.

5 new 230 ah deep cycle house batteries located under saloon seat.

New auxiliary 800 cca new 2018 located at auxiliary in port engine room.

Acme T 2-53014-4S transformer behind saloon cabinet.

12 volt to 110 volt 4000 inverter charger behind saloon seat.

Zantrex inverter charger fitted.

Wiring appears in excellent condition well secured with circuit breaker panels & cabinets for all systems.

240 volt shore power with circuit breaker & earth leakage fitted.

Acme TF 279264S transformer fitted in starboard engine room for AC & water maker supplies.

Tristar Solar battery charger & load controller with 2 x 120 amp panels mounted aft.

WHITE GOODS

Appliances;

Isotherm & utectic fridge & cabinet units.

Force 10 gas stove.

Magic Chef microwave.

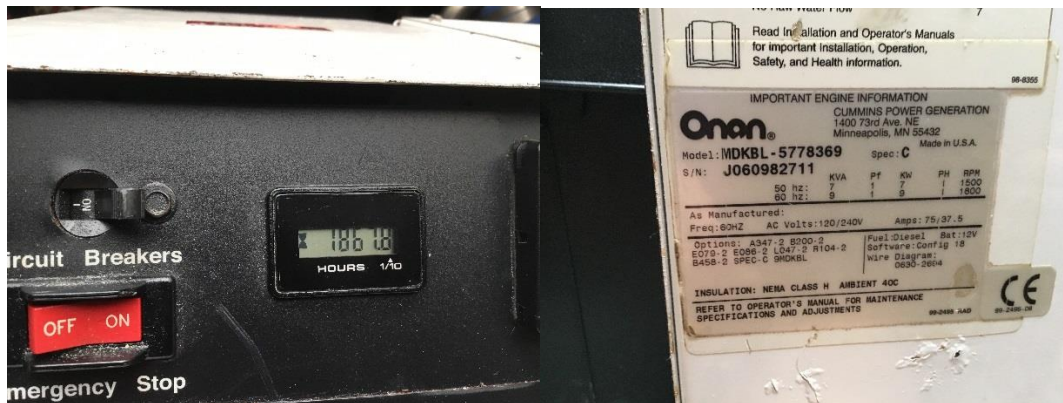
Haier washing machine.

Pg 11.

Knotty Cat 5/3/2019.

AUXILIARY SYSTEMS

Onan MDKBL – 5778369 7 kva @ 1500 rpm generator set in engine room.
Serial no. J060982711, 1867.8 hours.



2 x Technicold RC16CH 115 volt air conditioning units located in engine rooms & Dayton head blower units in saloon under seat with cabin control remote panels.
Waeco fridge compressor unit under saloon seat for starboard freezer seat unit.
2 new Isotherm fridge freezer units with additional cooling fan systems fitted to saloon cabinet, timber external trimming to match existing timber finishes required to complement vessel.

ELECTRICAL SYSTEM



Pg 12.

Knotty Cat 5/3/2019.

ELECTRICAL SYSTEM



BILGES

Bilges were able to be inspected clean & dry painted with grey flowcoat.

Electric pumps on auto float switches in all compartments.

Bilge alarms in hulls & engine rooms.

GAS SYSTEM

Carbon fibre cylinders located in fore deck lockers well secured with solenoid shut off valve.

Gas system appears compliant with a gas alarm fitted.

ELECTRONICS

Radios; 2 x Simrad VHF, Domestic radio CD system with Wi Fi.

Depth sounder; Simrad NSE 12 integrated system, Navionic sounder with Wi Fi connection to iPad.

Navigation system; 2 x Simrad NSE 12 flat screen plotters on flybridge.

Pg 13.

Knotty Cat 5/3/2019.

ELECTRONICS

Autopilot; Simrad AP 24 integrated system.

Radar; New Simrad 4G radar integrated system.

Audio Visual equipment; Sony saloon TV, external Sunbrite TV.

Additional electronics; BMG wind indicator, Muir Auto Anchor rode controller.

Reversing camera through Simrad NSE 12 unit.

Locomarine micro 4G Yacht router on board Internet & Wi Fi receiver.

Wi Fi throughout vessel.

SAFETY GEAR

Lifejackets; PFD 1 type in flybridge lockers.

Lifebouys; 1 x Lifebouy.

Compass; Silva Magnetic compass.

EPIRB; GME Accusat expiry 2020.

Flares; *None found requires 2 rockets, 2 red, 2 smoke for offshore operation.

Fire equipment; *Seafire FM 200 fixed engine room fire suppression systems require servicing corrosion noted to cylinders.

*White 1 kg extinguishers require replacement with new dry chemical extinguishers, manufactured 2008 non servicable.

*Vessel requires 3 extinguishers one to be 9kg dry chemical & 1 fire blanket.

Signalling equipment; Horn & spotlight operational.



Pg 14.

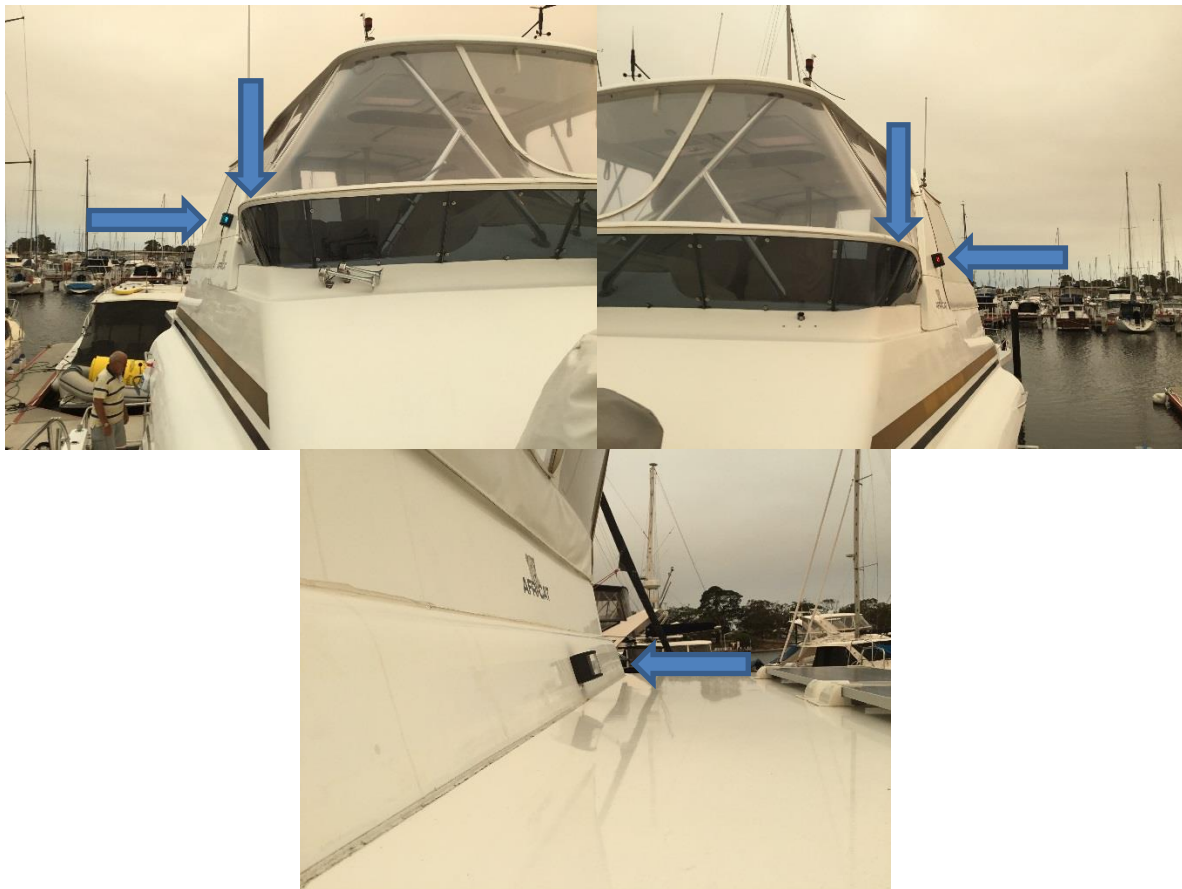
Knotty Cat 5/3/2019.

SAFETY GEAR

Navigation lights; Operational.

*The port & starboard navigation lights are non compliant obscured by the flybridge wind deflector & unable to be seen from directly forward, the lights require raising above or lowering below the deflector & squaring up with wedges, currently 10 degrees out of square, for compliance.

*The stern light requires squaring up with a wedge & raising above the solar panels (possibly on a short mast) due to new aft hardtop to be seen from behind properly, currently facing up 15 degrees non compliant.



Ground tackle; Manson Supreme plough type anchor with all chain warp.

1000 watt electric anchor winch with flybridge & deck controls.

Spare plough type anchor on board.

Muir electronic chain counter fitted.

ASHWORTH MARITIME SERVICES

SHIPWRIGHTS, ENGINEERS, MARINE SURVEYORS

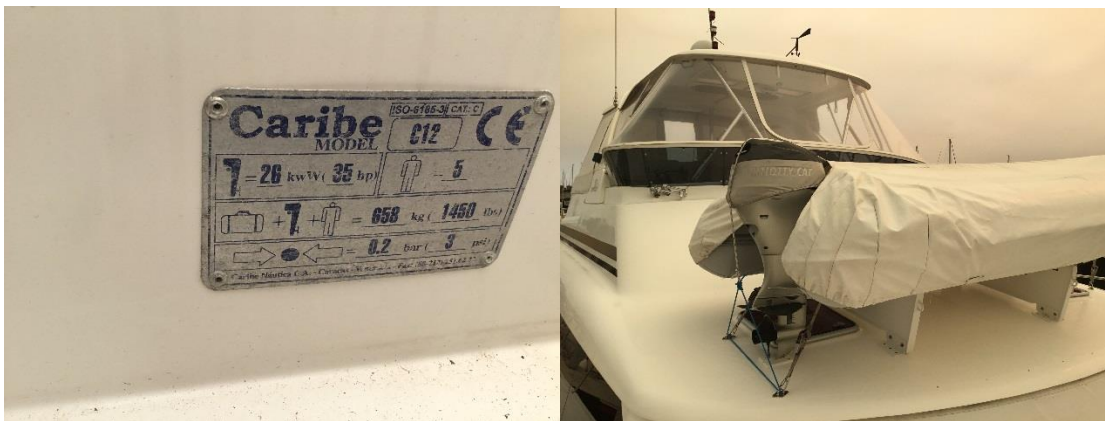


Pg 15.

Knotty Cat 5/3/2019.

TENDER

Dinghy; Caribe C 12 12' alloy bottom RIB with Honda BF 20D 4 stroke outboard no. BAMJ – 1401195 on foredeck chocks appears in good condition cover fitted.



GENERAL

The vessel appears to have been very well built to a high standard & well maintained by the present owner with an additional custom aft cockpit hardtop & new clears fitted to improve the vessel.

For a 2007 model this vessel presents in excellent condition with engine hours denoting minimal use of the vessel since new.

The vessel is regularly slipped & any item of required maintenance completed immediately.

The vessel was not taken on sea trials & the machinery was not tested due to a marine engineer attending.

The vessel has reliable, efficient on board systems & has been accessorized by the current owner.

With modern joystick & electronic throttle controls the vessel is easily handled with minimal crew.

The vessel is a proven offshore fast passage maker & capable of economical offshore voyages in the right weather conditions & properly prepared.

ASHWORTH MARITIME SERVICES

SHIPWRIGHTS, ENGINEERS, MARINE SURVEYORS



Pg 16.

Knotty Cat 5/3/2019.

DEFECTS

*Noted items of repair & equipment are required to ensure the vessel remains compliant & reliable.

Once *noted items are completed the vessel would be deemed seaworthy & an acceptable insurance risk.

DISCLAIMER

EVERY EFFORT HAS BEEN MADE TO INSPECT THE VESSEL WITHOUT REMOVAL OF VESSEL FURNITURE OR COMPONENTS.

THIS SURVEY IS CURRENT FOR THE DAY OF INSPECTION ONLY.

THE SIGNING SURVEYOR ACCEPTS NO RESPONSIBILITY FOR THE VESSEL CONDITION, MAINTENANCE OR OPERATION AFTER THE 5TH OF MARCH 2019.

A handwritten signature in blue ink, appearing to read 'Robert Ashworth'.



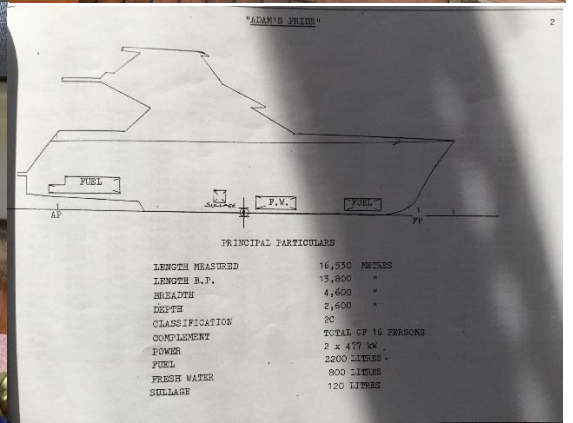
Robert Ashworth

5/3/2019

Marine Surveyor

Ashworth Maritime Services.

AMSA accredited 111167, MNZ accredited, MIIMS & MMSA.



Queensland Government
Transport Operations (Marine Safety) Act 1994

Commercial/Fishing Ship Registration and Loadline Assignment Application

Queensland Transport

Declaration STB 10991

FCB Clause **SHIP DESIGNER** **ADAMS PRIDE**

USL CODE SECTION B **CLAUSE C.11**

Compliance type (Note 2)

Accredited ship designer (Note 3)

Ship Details

Ship's Name **ADAMS PRIDE**

Construction material

Measured Length **16.73 m** **Breadth** **4.60 m** **Depth** **2.60 m**

Hull number location

Indicate details submitted to support the ship stability

Documents and/or Plans (Note 7)

Document No. **1502/1** **Rev.** **1** **Description** **STABILITY ISOCK LET**

Signature **ADAMS PRIDE**

Signed by the declarant at **RODERIM**

on the **16** **day of** **AUGUST** **2002**

Accreditation No. **ASD/97/039**

Please return completed declaration to your nearest Marine Operations Base as listed overseas

Office Use Only

Date received **16/8/02** **Initials** **ASD/97/039** **Processed** **Ship ID** **Initials**

Owners details

Business/Company

ACN or BSN number **50321556082**

Company or Business trading name **GARLOT ENTERPRISES PTY LTD**

Business/Company postal address **GARLOT ENTERPRISES PTY LTD**

Business/Company street address **PO BOX 387 46th Avenue 3909**

Nominor's name (person of responsibility) **SCOTT GARLOT**

Nominor's work phone number **103 5551068** **Nominor's home phone number** **104 08516897**

Private individuals

Family names

Given names

Postal address

Residential address (if same as Postal write 'As above')

Work phone number **Home phone number**

Proof of identity

Engine 1

Manufacturer **40LVO** **Serial number** **110105987**

Engine 2 (if applicable)

Manufacturer **40LVO** **Serial number** **4017**

Continued overseas...

"ADAM'S PRIDE"

TRIM & STABILITY

EXAMINATION ACCEPTANCE

By **ASD/97/039**

Plan Consultant **16/8/02**

Date **16/8/02**

Class **OLD WATERES WITHIN THE JURISDICTION**

Operational Limits or Restrictions **50 U.M. FROM PORT OR SAFE HAVEN. TOTAL OF 14 PERSONS**

Requirements as applicable are in the attached correspondence **ASD/97/039**

QUEENSLAND TRANSPORT

MARITIME SAFETY BRANCH - OFFICE USE





