# SMALL VESSEL MARINE CRAFT INSURANCE RISK EVALUATION

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FILE NO:	• VP-279
VESSEL NAME	• "LOLA"
VESSEL OWNER/PURCHASER	JACK TOOHEY
LOCATION	Afloat/Hardstand FSC
DATE	• 30/04/2008
SURVEYOR	VLADO PAVLOVICH
RECOMMENDED INSURABLE VALUE	• AU\$95.000.00.



## SMALL VESSEL MARINE CRAFT INSURANCE RISK EVALUATION

#### 1.0 VESSEL DESCRIPTION/PRINCIPLE PARTICULARS

This is to certify that the undersigned Marine Surveyor from BARTER HOLDINGS PTY LTD acting on instructions from the vessel owners attended on board the vessel REGISTRATION NO: BR-030. Whilst Afloat/Hardstand at FSC on the 30/04/2018 to conduct a Condition Survey and report as a basis for issuing a certificate of Valuation for INSURANCE VALUE PURPOSES ONLY.

The vessel is single chine, mono hull. Decks have slight sheer and camber. The vessel is a single screw GRP built sailing vessel. AFT cockpit deck control station/Lower accommodation/ Mast/Boom fitted.

VESSEL NAME	• "LOLA"
OWNER/PURCHASER	Jack Toohey
ADDRESS-EMAIL	• jack@2eservices.com
BUILDER	Hunter Yachts USA
BUILT	• 2003
LENGTH (OA) – METRES	• 10.70 metres
BREADTH (MLD) – METRES	• 3.66 metres
REGISTRATION NO	• BR-030
HIN NO	• AU-TWA016745-DK2
DISPLACMENT-DRY	• 6318 KG
SERVICE SPEED	Six (6) Knots/Max -Eight (8) Knots

#### 1.0 MACHINERY AND EQUIPMENT

#### 2.1 MAIN ENGINE

TYPE	One (1) 3 cylinder in line diesel engine
MANUFACTURER	Yanmar
MODEL	• 3GM-30
SERIAL NOs	• E31608
KW	• 20 KW @ 3600 RPM
HRs SINCE NEW	No hour metre operating

#### 2.2 REDUCTION GEARBOX

TYPE	One (1) marine hydraulic reversing transmission	
MAMUFACTURER	Yanmar/Hurth	
MODEL	• KM-2P	
RATIO	• 2/1	
PROPELLER SHADT DIA.	25 mm-S/Steel	

# SMALL VESSEL MARINE CRAFT INSURANCE RISK EVALUATION

#### 2.3 CAPABILITIES

FUEL – LITRES	One (1) HDP plastic tank-Capacity 144 litres
FRESHWATER – LITRES	One (1) HDP plastic tank-Capacity 284 litres
SULLAGE	One HDP Plastic-Estimated 120 litres

#### 2.4 MAJOR AUXILIARY MACHINERY

1	DC masserator sullage tank discharge pump
4	DC-maintenance free 12V batteries
1	DC fresh water pump
1	25 mm DC auto submersible bilge pump (float switch to be tested)
1	Manual 25 GPM hand bilge pump
1	AC-Waste heat HWS-Seaward 25 litre (works)

#### 2.5 BILGE PUMPING SYSTEM

#### **PUMP / ALARMS / BACK FLOODING PREVENTION**

1	25 mm DC auto submersible bilge pump
1	25 GPM manual hand bilge pump

#### 2.6 STEERING GEAR / EMERGENCY STEERING

1	•	Chain driven manual steering
1	•	DC assist auto pilot

#### 2.7 DECK MACHNERY

1	•	Pair S/Steel transom tender davits
1	•	Zodiac Cadet 300L inflatable tender
1	•	Honda four (4) stroke 10 HP outboard motor (not tested)

#### 2.8 RIGGING/STAYS/WINCHES

2	•	Lewmar 40 self-tailing winches
2	•	Lewmar 30 self-tailing winches
1	•	FRD self-Spurling Genoa
1	•	Main mast-Selden Aluminium extrusion-sound condition
1	•	Main boom-Selden Aluminium extrusion-sound condition
Set	•	S/Steel chain plates-firmly secured
Set	•	S/Steel 8.0 mm multi core stay wires-sound condition
Set	•	S/Steel 12 mm turnbuckles-sound condition
1	•	Main sail-cruise laminate-sound condition
1	•	Spinnaker-sound condition

# SMALL VESSEL MARINE CRAFT INSURANCE RISK EVALUATION

• Comment-Mast firmly secured

#### 3.0 NAVIGATION EQUIPMENT

ITEM	DESCRIPTION	MODEL	DOM
SOUNDER/PLOTTER/	• Combo	C80	2002
GRS			
DEPTH	Raymarine	ST-60	2002
SPEED	Raymarine	ST-60	2002
DEPTH	Raymarine	ST-60	2002
WIND SPEED	Raymarine	ST-60	2002
VHF RADIO	• Simrad	RT-60	2002
AUTO PILOT	Raymarine	ST4000+	2002
COMPASS	Danforth	75 mm	2002

#### 4.0 SAFETY/SAFETY EQUIPMENT

EPIRB	• Expired 2015	-
LIFEBOUYS	One (1) unit fitted	S
LIFE JACKETS	Two (2) sighted-recommend add to fit crew compliment	S
PYROTECHNICS	All expired	-
LPG GAS DETECTOR	Fitted with compliance plate No 321759 (1/11/2002)	S
ANCHOR WINCH	DC vertical with 6.0 mm clutched chain gypsy	S
ANCHORS/CABLES	One (1) 15 KG plough anchor	S
	<ul> <li>10 metres 6.0 mm short link galvanized chain</li> </ul>	
HAZARD GAURDS	<ul> <li>Compact engine room-care to be taken</li> </ul>	S
SAFETY SIGNS	Satisfactory for operations	S
EMERGENCY ESCAPES	FRD/AFT lower accommodation	S
	Hold entries	
STAIRWAYS/	<ul> <li>Steps from the cockpit to lower accommodation</li> </ul>	S
HANDRAILS	<ul> <li>Grab rails fitted</li> </ul>	
	<ul> <li>Carte to be taken on the deck</li> </ul>	
BOWRAILS	<ul> <li>S/Steel staunchings 600 mm high with duel 8.0 mm wires</li> </ul>	S
	running through	
	<ul> <li>Small S/Steel bow sprit railing</li> </ul>	
COCKPIT BULWARKS	GRP/Setees P&S	S
VENTILATORS	Built into cockpit	S
TANK BREATHERS	Piped overboard/anti-flash gauzes fitted	S
FREEING PORTS	Open AFT cockpit deck	s/G

# SMALL VESSEL MARINE CRAFT INSURANCE RISK EVALUATION

FREEBOARD	AFT transom One (1) metre	S
FLOODING SINKING	One (1) 25 mm auto submersible bilge pump	S
	One (1) 25 GPM hand bilge pump	
	Structurally sound vessel	
BOW MOORING	Two (2) P&S -S/Steel cleats fitted	S
BOLLARD		

#### 5.0 FIRE FIGHTING EQUIPMENT

#### Condition

HAND HELD	•	Three (3) small hand held DCP-well out of service date	F
EXTINGUISHERS	•	Recommend fit two (2) new 1.0 KG-DCP units to the vessel as required	
ADDITIONAL FIRE	•	Fire blanket	S
FIGHTING EQUIP	•	Fire buckets	

#### 6.0 ENGINEERING ELECTRICAL INSTALLATIONS

#### Condition

Machinery Mountings	Main engine firmly bolted down	S
Exhaust System	Water cooled exhaust mixer	S
	<ul> <li>Approved rubber suction hose</li> </ul>	
	GRP pong box	
Fuel System	Basic operating system.	S
	<ul> <li>Approved equipment used</li> </ul>	
Piping & Hoses	All sea suction valves found faulty	S
	<ul> <li>All new sea suction valves/skin fittings fitted</li> </ul>	
Electrical System	Professionally installed AC-DC systems	S
	<ul> <li>Small maintenance required in areas</li> </ul>	
Housekeeping	General tidy up required	S
Bilges	Small oily matter in the engine room bilge/requires de-	S
	greasing	
	<ul> <li>Small fluids in C/L bilge only</li> </ul>	

#### 6.1 HULL - INTERNAL

Frames/Stringers	No defects of note observed-structurally sound	S
Chain Locker	Structurally sound/self-draining	S
Forepeak	No structural defects observed	S
Bilges/Equipment	All the vessels sea suction valves found unserviceable.	-
	<ul> <li>All new skin fittings &amp; sea suction ball valves fritted</li> </ul>	S
	<ul> <li>DC auto submersible bilge pump fitted works on</li> </ul>	
	manual/requires verification if works on auto	

# SMALL VESSEL MARINE CRAFT INSURANCE RISK EVALUATION

Steering	Chain type yacht steering	S
Compartment	<ul> <li>HDP Plastic sullage tank fitted</li> </ul>	
	Structurally sound	
No W/T Bulkheads	One (1) at the bow	S
Protective Coatings	Satisfactory	S

#### 6.2 HULL – EXTERNAL Condition

DECKS	GRP/Gelcoat non-skid satisfactory condition	S
	<ul> <li>Starboard side deck GRP/Gelcoat capping fractures</li> </ul>	F/S
	observed	
HATCHES / COAMINGS	GRP/Hinged/Dogged	S
SPONSON	GRP moulding with polished S/Steel flat bar	S
HULL EXTERNAL	Scuffed in areas from lifting slings	S
	<ul> <li>Structurally sound</li> </ul>	
PROTECTIVE COATINGS	Polished gelcoat-recommend buff & polish	S

#### 6. 3 OUT OF WATER HULL SURVEY (BELOW WATERLINE)

HULL EXTERNAL	<ul> <li>When lifted for inspection heavy growth build up present</li> </ul>	
	Power washed off	S
	The GRP keel attachment FOR & AFT all the S/Steel keel	S
	attachment bolts re-secured new GRP sheathing	
	applied professionally	S
	After power wash the GRP laminate in sound condition	S
PENETRATIONS		
	<ul> <li>All new S/Steel skin fittings/sea suction ball valves</li> </ul>	S/G
	fitted	
RUDDER	<ul> <li>S/Steel shaft/GRP spade rudder</li> </ul>	S
	<ul> <li>Rudder bearing wear observed-monitor</li> </ul>	
SHAFT BEARING AND	<ul> <li>Propeller shaft 25 mm S/Steel satisfactory where</li> </ul>	S
SEAL	assessable	
	<ul> <li>Shaft internal packing gland bronze packing type</li> </ul>	S
	<ul> <li>A new stern bearing fitted</li> </ul>	S
PROTECTIVE COATINGS	The complete BWL sanded back all new primers/anti-	S
	fouling applied	
PROPELLER	<ul> <li>Bronze two (2) blade 16D X 13P in satisfactory</li> </ul>	S
	condition	
	<ul> <li>New prop-Speed applied</li> </ul>	

# SMALL VESSEL MARINE CRAFT INSURANCE RISK EVALUATION

P-BRACKET	Marine grade bronze-firmly fastened	S
	<ul> <li>A new stern bearing is fitted</li> </ul>	
	<ul> <li>New prop speed applied</li> </ul>	
ANODES	Working/satisfactory	S

#### 6.4 SUPERSTRUCTURE AND DECKHOUSES (ABOVE AND BELOW DECK)

CONSTRUCTION MATERIAL	GRP/Gelcoat Targa cockpit station-sound condition	S
COCKPIT DECK	<ul> <li>Central yacht control station</li> <li>Port side lounge to seat         <ul> <li>Equipment locker below</li> <li>*DC starting batteries</li> </ul> </li> <li>Starboard side lounge         <ul> <li>LPG gas locker below with solenoid valve &amp; compliance plate</li> </ul> </li> <li>FRD folding cockpit table</li> <li>Open transom central for quick exit of sea water</li> <li>AFT folding GRP boarding ladder</li> </ul>	S
SWIMBOARD	<ul> <li>Central boarding area non -skid</li> <li>Starboard side locker with HDPP plastic sullage tank/masserator DC discharge pump</li> <li>Port side locker with sullage discharge valve/new S/Steel valve fitted</li> </ul>	S
MAIN DECK FIT OUT FRD	<ul> <li>Anchor locker/anchor winch at bow self-draining</li> <li>Main mast firmly secured central foredeck</li> <li>Two (2) moonlight escape deck hatches</li> <li>Two (2) fixed deck Polly light hatches</li> <li>Perimeter S/Steel staunchings with double S/Steel safety wires</li> <li>Fractures in the GRP/Gelcoat deck outer capping Starboard side</li> </ul>	S
LOWER ACCOMMODATION FITOUT	<ul> <li>Forward Vee Cabin:         <ul> <li>Bouble berth</li> </ul> </li> <li>*HDP plastic fresh water tank below</li> <li>-Moonlight deck head escape hatch-UV effected</li> <li>-P&amp;S wardrobes</li> <li>-Vinyl deck head lining</li> <li>Forward Main Saloon:         <ul> <li>-Port side lounge to seat four (4) Pax</li> </ul> </li> <li>* Air cooled eutectic refrigeration plant below</li> <li>-Starboard lounge/dinette table to seat six (6) Pax</li> </ul>	S

# SMALL VESSEL MARINE CRAFT INSURANCE RISK EVALUATION

-Two (2) fixed deck head sky lights	
-Moonlight deck head escape hatch	
-Five (5) fixer port holes above the deck	
<ul> <li>Port AFT Chart Table/Communication:</li> </ul>	S
-Chart table	
-VHF radio	
-DC switch board	
-AC switch board	
-Sony stereo player	
-DC Amp metre	
-DC tank monitoring	
Shower/Toilet Port AFT:	S
-Jabsco manual toilet	
-Shower Cubicle H&C water	
-Vanity H&C water (tap handle missing)	
-Two (2) above deck fixed portholes	
-GEP/Gelcoat lined	
Galley Starboard AFT:	S
-Double S/Steel sink H&C water	
-Double S/Steel insulated eutectic refrigerated ice	
boxes	
-Fire blanket	
-Force-10-LPG two (2) burner cook top	
-Sentinel LPG gas monitor-operating	
-Origo AC microwave	
-Corean food preparation bench tops	
-Cupboards drawers	
AFT Starboard State Room:	S
-Double berth	
*AC/waste heat HWS below	
*HDPP plastic fuel tank below	
*HDP Plastic sullage tank AFT	
-Deck head moonlight hatch opening on to cockpit	
deck	
-Storage cupboards	
-Fixed overboard port hole	
-DC fan	
-Vinyl deck head	
-Teak inlay flooring	
Fit Out Comments:	
Teak veneer fit out	
Teak veneer weathered in areas	
Bilges require detailing	
U U	1

## SMALL VESSEL MARINE CRAFT INSURANCE RISK EVALUATION

TOTAL NO. OF BERTHS	• Four + setees	S
NO FORWARD-FACING WINDOWS	Clearview's on cockpit Targa station	S
CANOPIES	S/Steel frame over the cockpit deck	S
	<ul> <li>Canvas cover</li> </ul>	
	<ul> <li>Covers wearing</li> </ul>	
PROTECTIVE COATINGS	Gelcoat finish-recommend buff & polish	S
TOILETS	Fitted lower accommodation	S
SHOWER WASH PLACES	Fitted lower accommodation	S
MESS ROOM/PAX SEATING	Cockpit area eight (8) Pax	S
	<ul> <li>Lower accommodation eight (8) Pax</li> </ul>	

#### 7. SURVEY SUMMARY

#### 7.1 DEFECTS AND COMMENTS

DEFECTS	RECOMMENDATIONS	DEFECT
		STATUS *
The pyrotechnics well out of date	Recommend fit new in date offshore flare kit prior to vessel usage-mandatory	AR
No in date Epirb sighted	Fit of in date flare kit for offshore sailing- mandatory	AR
No in date portable fire extinguishers sighted	<ul> <li>Recommend fit two (2) new in date 1.0 KG DCP portable fire extinguishers prior to usage- mandatory</li> </ul>	AR
Unable to test the FRD DC auto submersible bilge pump float switch	Ensure that the FRD DC auto bilge float switch operational	AR

Key\*

CD Critical Defect Defect affects sea worthiness, structural or watertight integrity, personnel safety or fire risk to the vessel

AR Action Recommended Actioned recommended to prevent future personnel and vessel

Safety / Sea worthiness risks

R/M Repair & Maintenance Repair and maintenance work recommended

#### 7.2 STATUTORY SURVEY RECORDS

• The vessel in current registration

## SMALL VESSEL MARINE CRAFT INSURANCE RISK EVALUATION

#### 7.3 SURVEYOR'S COMMENTS

- The Vessel inspected as a pre-purchase & an Insurance Risk Evaluation, the following findings/comments:
- 1. Main Engines-three (3) CYL Yanmar-Model 3GM30.
- Installed new in 2002
- On short sea trial operated within parameters
- No service history available
- 2. Gear Boxes-Yanmar/Hearth Model KM2P.
- Same age as the engine/appears maintained
- 3. Engine room Fit Out.
- Compact/professionally installed
- Small dried fluids in the bilge
- Compact
- 4. Vessels Structural condition BWL
- Heavy growth present when docked
- Power washed off for inspection
- The GRP laminate found structurally sound
- -The lead keel to hull attachment professionally repaired
- All the skin fittings/sea suction valves replaced with S/Steel
- All new skin fittings/new sea suction ball valves fitted
- 5. Vessels Structural Condition AWL.
- Small Starboard side GRP/Gelcoat impact areas observed on the decking
- Hull laminate in sound condition
- 6. Vessels AC-DC Electrical Installation.
- Basic systems installed in operating condition
- 7. Vessels Electronic Installation.
- Quality equipment installed in maintained condition
- 8. Vessels Fit Out.
- Originally professionally fitted out/teak veneer fit out
- Weathering in areas/maintenance is required.
- 9. Vessels Safety Equipment:
- Defects listed to be attended to as required

#### CONCLUSION.

- At the sale price value for money
- General maintenance is required but functional

## SMALL VESSEL MARINE CRAFT INSURANCE RISK EVALUATION

#### **8.0 VALUATION**

The valuation is based on the following criteria:

- Age of the vessel
- The current condition of the vessel
- Current Market re sale forces/Economic conditions
- Suitability of the vessel for the Assured's purposes
- Research on similar vessel sales

In consideration of the above criteria it is considered that the INSURABLE value of the vessel is:

#### AUD\$95,00000

The vessel suitable for its intended use and area of operation and IS regarded as an acceptable insurable risk at the recommended value shown.

#### **VLADO PAVLOVICH - ATTENDING SURVEYOR**

#### 8.0 WAIVER

This report/valuation is given in good faith without prejudice or bias to any or all of the concerned parties with reservations as made as to information not made available or inaccessible and neither Barter Holdings nor the undersigned Marine Surveyor shall be held liable whatsoever for any act error, omission or default in connection with.

BARTER HOLDINGS PTY LTD.

#### Bow anchor locker-FW cap not in position







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SW/Steel chain pates

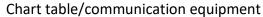
FRD Vee berth-HDP Plastic water tank below



Interior fit out-weathering in areas

Interior fit out port side







Galley area-weathered laminates

# SMALL VESSEL MARINE CRAFT INSURANCE RISK EVALUATION

Mast S/Steel support below deck

