



# MEADOWS MARINE SURVEYORS LTD.

Marine Surveyors and Consultants  
10322 Resthaven Drive  
Sidney, B. C. V8L 3H1



## INSURANCE UPDATE SURVEY

Vessel Name:	<b>"EUPHEMIA II"</b>	Survey Date:	October 16, 2018
Builder/Model:	Schertzer Brothers	Surveyed:	In drydock
Designer:	Schertzer Brothers	Location:	Lion's Gate Marina North Vancouver ,BC
Official No:	328112	Requested By:	Michael O'Brien
Type:	Tri-cabin Cruiser	Address:	1338 Lands End Road North Saanich, BC, V8L 5K1
Age:	1928	Telephone:	(250) 655-0765 (250) 896-1927
Length:	50' LOA		
Beam:	10' 7"		
Draft:	4'		

E-Mail: [pmjob@shaw.ca](mailto:pmjob@shaw.ca)



## CONSTRUCTION / SCANTLINGS

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Hull:	Wood:	Carvel plank on frame, round bottom, 30 degree deadrise aft
	Planking:	Port Orford (yellow) Cedar -- 1 1/2" garboard, tapering to 1 1/4" at waterline to 1" at deck Garboard renewed 2008 – Abernethay & Gaudin
	Fastenings:	Galvanized boat nails & bolts – examined 2008- good
	Ribs:	White Oak 2" x 1.875", on 8.5" centers
	Bilge Stringers:	Douglas Fir 3.5" x 1.625" - three per side
	Shelf:	Douglas Fir 1.5" x 5"
	Sheer Clamp:	Douglas Fir 3.5" x 1.25"
	Ceiling:	1/2" tongue and groove
	Fastenings:	Galvanized boat nails and bolts
	Keel:	Fir, with 1" Gumwood shoe
	Horn Timber:	Fir – New shaft log 2013
	Floor Timbers:	1.5" yellow cedar – 6 renewed in 2008
	Keelbolts:	Galvanized steel – 6 renewed in 2008
Deck:	Wood:	Carvel plank on frame
	Planking:	Port Orford(yellow) Cedar
	Beams:	2.25" x 1.5" fir on 12" centers
	Covering boards:	Teak – 5" x 3"
Cabin:	Sides	2" Teak, solid
	Roof	Painted canvas over 2"Vee joint cedar
Mast :		15 foot – folding

## ENGINE SYSTEMS

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<u>Main Engine:</u>	VOLVO PENTA	<u>Marine Gear:</u>	CAPITAL
Model:	TMD 50- 6 cyl-'natural'	Model:	2HL 10200
Horsepower:	120	Ratio:	2.437
Age:	1975 – Rebuilt 2002		
Hours:	5,254 1,603 on rebuild	Exhaust System:	Water injected SS to water injected muffler, composite and rubber to transom
Engine Beds:	Douglas Fir		
Engine Mounts:	Rigid		
Cooling Type:	Fresh water-brz keel coolers – new brz pump – new hoses		

The engine(s) and related mechanical equipment were not inspected or test run.

### Fuel Systems:

Fuel Type:	Diesel	Tank Location:	Port & starboard of engine
Tank Capacity:	Twin 114 IG.	Tank Fillers:	On deck
Fuel Lines:	Copper	Tank Material:	Steel
Water Separator:	RACOR/PARKER 3123	Tanks Vented:	To atmosphere

Shutoff Valves: Two, at filters

Fuel tanks were not tested. Life expectancy for tanks such as these can vary from 25 to 55 years or more depending on their being kept from water and 'pressed full'.

**Hydraulic System:** hydraulic pump on engine & 2 liter reservoir – fwd engine room

**Bilges:** Wet – fwd under foc'sle

**Alarms:** KIDDE – CO detector

<b>Pumps:</b>	<b>Location</b>	<b>Discharge</b>
Manual diaphragm Henderson-new	Engine room - fwd	Portable, on deck
RULE	Forward in engine bilge	High looped stbd. midship
JABSCO 'water puppy' 6360-1001	Engine room- starboard aft	High starboard midship
JABSCO 'water puppy' -new	Engine room- forward eng.	High loop & valve-stb e.r.

### WIRING and ELECTRICAL

**Shore Power:** Voltage: **120 VAC** **INLET:** new SMART PLUG  
Automatic Main Breaker: Double pole (domestic type)  
Branch circuit protection: Three 15 A breakers (domestic type)  
Three 15 A breakers (Blue Sea Systems) Approved

**Ship's Power:** Voltage: **12 VDC**  
Battery isolation switch,  
Branch circuits fused Approved

#### **Batteries:**

Number	Voltage	Group / Capacity	Usage	Location	Secured
One	12	31 - new	Engine start	Engine room- stbd forward	Yes
Two	12	8D / 1300 CCA-new	House system	Engine room- port forward	Yes

#### **Chargers / Regulators / Inverters:**

Manufacturer /	Model	Input	Output	Location
VICTRON ENERGY – Blue power /inverter		12 v	120 VDC -2000 watt \	Stbd fwd
		\ charger 110 VAC	30 amp DC /	engine room
BALMAR	-- ARS-5 advanced	regulator		
Alternator	– BALMAR -100 amp – 621 SR-IG - new			

**Solar Panels:** – two 200 watt – & two BLUE SOLAR MPPTT– 7511G controllers

**Navigation Lights:** 12 VDC Incandescent Visibility: Col. Regs compliant  
Port, Starboard: cabin top, baffled  
Steaming: cabin top  
Anchor light: mast head  
Stern, aft hardtop

### CONTROLS and DRIVE TRAIN

Steering:	chain & cable to tiller arm	Propeller:	23”RH22 3 blade brz
Rudder:	Bronze plate, on skeg	Stern Bearing:	Cutless – 2008-nil wear
Skeg:	Bronze – 1/2” -good	Zincs:	good
Shaft:	2” bronze		

Controls:	Morse cable	Strut:	Bronze – re-bedded
Rudder Gland:	Bronze - good	Below Keel:	No
Shaft Gland:	Brz– good & grease cup	Electrolysis:	None observed

### SEA CONNECTIONS

Function	Location	Shut Off Valve	Approved
Engine Cooling Inlet / Outlet	Keel coolers - brz	Bronze ball	yes
Galley Sink Drain	High port midship	Bronze gate	yes
Forward Head: Inlet	Starboard forward	Bronze ball	Yes
Outlet	at head	Bronze ball	Yes
Sink	Port forward	Bronze ball	Yes
Aft Head: 12 v. Inlet	Starboard midship	Bronze ball	Yes
Outlet	To tank	N/A	
Sink	Starboard midship	Bronze ball	Yes
Holding Tank Outlet	Starboard midship	Bronze ball	Yes
Redundant Outlet	Port, engine room	Capped	Yes
Through-Hull Fittings:	Bronze – good – for aft head valves - new		Yes

### VESSEL EQUIPMENT

#### Stoves and Heaters:

Manufacturer	Model	Fuel	Location	Approved
DICKINSON	Range / oven	Diesel	Galley	Yes
RINNAI	2 burner	Propane	Galley-portable	Yes

#### LPG / CNG Installation:

Quantity:	20 lb.	Appliances:	RINNAI range-top
Press. Regulator:	Yes	Leakage Alarm:	XINTEX S2A
Press. Gauge:	Yes	Locker Drainage:	Overboard
Remote Shutoff:	12 volt solenoid	Locker Lid Seal:	Yes
Supply Lines:	One	Location:	Aft deck, port

**Refrigeration:** New ISOTHERM 12 V fridge / freezer – under counter

### REMARKS

This is a classic tri-cabin cruiser built in Seattle to a very high standard with the best of materials and has been boathouse kept it's whole life. Fastenings are still in excellent condition and were sampled and found in excellent condition in 2008; two or three 'bleeders' are epoxy treated each year.

Upgrades include new garboards from transom to 35 ft forward, renewal of bilge stringers and lower 48" of ribs in lazarette, seven floor timbers and keelbolts renewed, shaft strut rebedded and Cutless bearing renewed; all cockpit drain fittings and hoses were renewed and copper exhaust was renewed with composite. The vessel has ,been recaulked below the waterline.

The same year, alternator, inverters, batteries, engine and high current wiring was renewed and new breaker panels and solar panels were installed. New bilge pumps were installed. Since that time new work includes new engine cooling pump and hoses, new oil cooler hoses, new shaftlog, new shore power Smart Plug, new batteries, new solar panels & controllers, new ISOTHERM fridge/freezer, new SS galley counter, new airhorn, new teak cabin soles and forward garboard re-calking – 15 feet. The vessel was found in excellent condition .

**Arrangement:**

It has chain locker and private head with “telephone shower” in the forepeak; settee berths port and starboard in the forward cabin; large wheelhouse with settees over the engine room; aft cabin with portside galley and starboard private head, settee berths each side ; cockpit with hardtop and side curtains.

**Fire Extinguishers:**

Size	Type	Location	Date Charged	Approved
4 lb.	ABC	Wheelhouse	March 2019	Yes
4 lb.	ABC	Fo’c’sle	March 2019	Yes
4 lb.	ABC	Salon locker, port aft	March 2019	Yes

**Ground Tackle:**

Chain and rope were not pulled for inspection.

Anchor:	DAVIS – 150 lb - two			
Chain:	7/16” - 250 ft Stbd ; 3/8” - 50 ft Port			
Rope:	300 ft			
Shore Line:	5/16” hard laid polypropylene			
Winch:	ALLEN CUNNINGHAM:hydraulic with dual gypsies and warping drums- bronze			

**Canvas:** Vinyl windowed cockpit side curtains

**Fresh Water Systems:**

Tank Capacity:	265 Litres	Water Heater:	KUUMA 6 gallon-120VAC & engine coolant
Tank Material:	Steel, galvanized	Accumulator:	Not observed
Tank Location:	Aft deck sole	Plumbing:	PEX & reinf. plastic-new
Pump:	SHURFLO 3.3 GPM		

**Holding Tank Systems:**

Tank Capacity:	160 litres	Pump:	JABSCO macerator- 2018
Tank Material:	Plastic	Y- Valve:	new
Tank Location:	Starboard midship cabinet	Aft Head:	12v JABSCO
Plumbing:	White sanitation hose. Head to tank, tank to ocean and to deck		

**ELECTRONIC and OTHER EQUIPMENT**

Compass:	WOOD FREEMAN	500A2 --6” brass
Depth Sounder:	HORIZON	DS40
VHF/FM Radiotelephone:	STANDARD HORIZON w. AIS – yr 2016	

GPS:	HOLUX	GR213
Radar:	SI-TEX	T170
Autopilot:	WOOD FREEMAN	450
Clock:	SALEM	4" bezel, brass
	SETH THOMAS	Bell bottom marine
Barometer:	AIRGUIDE	4" bezel, brass
	SCHATZ	6" bezel, brass
Horns:	Air powered	AIR CHIMES
Search Light:	MARLET ELECTRIC	12 VDC, 8" lens - remote
Navigation Computer:	TOSHIBA	laptop
Navigation Software:	NOBLETEC	20013
Dinghy:	Red Cedar, lapstrake	9' 6"

### ESTIMATED VALUES

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	Present Recommended Insurance Value	Current Replacement Value
Vessel	\$ 105,000. <sup>00</sup>	\$ 780,000. <sup>00</sup>
Dinghy	\$ 2,500. <sup>00</sup>	\$ 5,000. <sup>00</sup>

**Note:** Values given above refer to purchase value of the vessel only and do not include taxes or duties.

### CONCLUSIONS

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This report does not deal with Coast Guard safety requirements. No stability test was performed. It is the owner's responsibility to ensure that the vessel is equipped to meet such requirements. This is not a certificate of seaworthiness.

This survey was conducted without removing equipment or panels, without core sampling and without test running equipment. This report is submitted without prejudice.

This survey was conducted for insurance purposes only. Its use for any other purpose is void. The report gives a recommended insurance value and a general description for the information of the underwriters.

The vessel was found in excellent condition and enjoys a continuous program of maintenance by a knowledgeable owner, including attention to recommendations noted in our last survey of Nov. 3, 2013. No insurance related items are noted. The vessel is recommended for insurance coverage.

Oct. 19, 2018

J R Down.  
Marine Surveyor

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Mike O'Brien  
1338 Lands End Road  
North Saanich, BC,  
V8L 5K1

Dear Sir:

SUBJECT: INSURANCE UPDATE SURVEY  
VESSEL: "EUPHEMIA II"

Attached is our report, for the above noted vessel, as requested. If you require any additional information, or if we can be of further assistance, please let us know.

Yours truly,

October 21, 2018

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J R Down.  
Marine Surveyor