

Marine Propulsion, Inc.
2429 Marina Road
Wadmalaw Island, SC 29487
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VISUAL ENGINE INSPECTION REPORT

Inspector - ANTHONY BLACK
Date - 10/26/2022

Purchaser - JEFF NICKEL
Address –
Phone/Email –

Vessel Hull ID –
Builder/Year – LITTLE HARBOR WHISPER JET
Vessel Name - VESPER
Broker/Company -

I. Identification and Cold Check Information Main Engine(s)

Port Engine

Engine Manufacturer - YANMAR
Engine Model Number – 6LY2-STE
Engine Serial Number – NO DATA TAG
Engine Hours – 26.2
Transmission Model - ZF301C
Transmission Serial Number – 20103284
Transmission Ratio - 1.29

Stbd Engine

Engine Manufacturer - YANMAR
Engine Model Number – 6LY2-STE
Engine Serial Number – M50241
Engine Hours – 23
Transmission Model - ZF301C
Transmission Serial Number – 20107024
Transmission Ratio - 1.29

II. Fluid System Checks Main Engine(s)

Port Engine

Coolant Level & Condition - LOW/SOME DIRT

Engine Oil Level & Condition – FULL/CLEAN

Does Oil Filler Cap Have Rust? NO

Transmission Oil Level & Condition – FULL/CLEAN

Stbd Engine

Coolant Level & Condition - FULL/SOME DIRT VISIBLE

Engine Oil Level & Condition – FULL/CLEAN

Does Oil Filler Cap Have Rust? NO

Transmission Oil Level & Condition – FULL/CLEAN

III. Stationary Inspection of Accessories - Main Engine(s)

Port Engine

Vibration Damper – GOOD CONDITION

Front Seal Leaks - NONE

Engine Mounts – GOOD CONDITION

Turbo Blankets – GOOD CONDITION. LIKE NEW

Turbos – GOOD CONDITION

Fresh Water Pump – FINE

Salt Water Pump – GOOD CONDITION. NO LEAKS NOTED

Belts - GOOD CONDITION. WELL TENSIONED

Alternator – LIKE NEW

Air Hoses - GOOD CONDITION

Fresh Water Hoses - FAIR CONDITION. SOME MINOR RUST ON PIPES

Salt Water Hoses - GOOD CONDITION

Salt Water Pipe Condition – GOOD CONDITION

Hose Clamps – LOOK NEW

High Pressure Lines - GOOD CONDITION

Fuel Cooler –

Heat Exchanger – FINE

Trans Cooler - GOOD CONDITION. MOUNTS IN GOOD SHAPE

Oil Cooler - FINE

Condition of Paint - VERY GOOD. RECENT BLAST AND PAINT. SOME CORROSION UNDER PAINT.

Walker Filters - YANMAR FOAM. NEW

Racor Bowl Condition – GOOD. CLEAR. NO SEDIMENT

Fuel Condition - CLEAN

Riser Style/Condition – OEM ELBOW. NEW

Oil Pan Style - OEM
Oil Pan Condition – GOOD CONDITION
Engine Wiring Condition - FAIR
Stabilizer Pumps - N/A
Power Steering Pumps - N/A
Oil Under Engines - YES. SMALL AMOUNT IN BILGE
Misc Engine Oil Leaks - SMALL AMOUNT UNDER FRONT OF ENGINE
Misc Trans Oil Leaks – NONE
Misc Fuel Leaks - NONE
Misc Coolant Leaks – NONE NOTED BUT COOLANT IS A BIT LOW
Misc Salt Water Leaks – NONE
Misc Exhaust Leaks - NONE
Misc Boost Leaks - NONE
Misc Hydraulic Leaks –
Notes - AFTERCOOLER MOUNTING BOLT LOOSE

Stbd Engine

Vibration Damper – GOOD CONDITION
Front Seal Leaks - NONE
Engine Mounts – FINE
Turbo Blankets – NEW
Turbos – VERY GOOD. SOME CORROSION ON OIL DRAIN PIPE
Fresh Water Pump – FINE. CLEAN
Salt Water Pump – FINE. NO LEAKS NOTED
Belts - GOOD CONDITION. WELL TENSIONED
Alternator – LOOKS NEW
Air Hoses - GOOD CONDITION
Fresh Water Hoses - FAIR
Salt Water Hoses - NEW
Salt Water Pipe Condition – GOOD CONDITION
Hose Clamps – ALL NEW
High Pressure Lines - GOOD CONDITION
Fuel Cooler –
Heat Exchanger – GOOD CONDITION. NO LEAKS
Trans Cooler - FINE. MOUNTS AND ISOLATORS GOOD
Oil Cooler - GOOD CONDITION
Condition of Paint - EXCELLENT
Walker Filters - YANMAR FOAM. NEW. CLEAN
Racor Bowl Condition – GOOD CONDITION. CLEAN. RACOR 1000 BRAND
NEW
Fuel Condition - CLEAN
Riser Style/Condition – YANMAR. ELBOW. NO RISER. NEW
Oil Pan Style - OEM
Oil Pan Condition – GOOD CONDITION. MINOR RUST PAINTED OVER ON
PAN BOLTS

Engine Wiring Condition - FAIR
Stabilizer Pumps - N/A
Power Steering Pumps - N/A
Oil Under Engines - NONE
Misc Engine Oil Leaks - NONE
Misc Trans Oil Leaks – NONE
Misc Fuel Leaks - NONE
Misc Coolant Leaks – SOME RED STAINED TOWELS IN BILGE. BUT THEY ARE DRY
Misc Salt Water Leaks – NONE
Misc Exhaust Leaks - NONE
Misc Boost Leaks - NONE
Misc Hydraulic Leaks – NONE
Notes - RAW WATER LEAK AT HEAT EXCHANGER INLET

IV. **Installation - Main Engine(s)**

Port Engine

Isolator/Mount Type & Condition – YANMAR. GOOD SHAPE

Engine Mount:

Metal to Metal Contact? NO

Stuffing Box/Shaft Seal Type – HAMILTON JET

Stuffing Box/Shaft Seal Condition –

Fuel Plumbing Type & Diameter - HYDRAULIC HOSE

Supply - #8

Return - #8

Primary Fuel Filter Type& Condition - RACOR 1000. OLD BUT FINE

Battery Kill Switches? YES

Emergency Seawater Pump System/Type – NO

Throttle & Shift Control Mechanism/Type – MORSE CABLE

Stbd Engine

Isolator/Mount Type & Condition – YANMAR. GOOD SHAPE

Engine Mount:

Metal to Metal Contact? NO

Stuffing Box/Shaft Seal Type – HAMILTON JET

Stuffing Box/Shaft Seal Condition –

Fuel Plumbing Type & Diameter - HYDRAULIC HOSE

Supply - #8

Return - #8

Primary Fuel Filter Type& Condition - RACOR 1000. NEW

Battery Kill Switches? YES

Emergency Seawater Pump System/Type – NO

Throttle & Shift Control Mechanism/Type – MORSE CABLE

V. Sea Trial Operating Conditions

Port Engine

Oil Pressure - 6 BAR
Shaft Alignment - JET
Transmission Pressure –
Coolant Temperature - 75 C
Full Load RPM - 3300. HI IDLE 3800
Exhaust Color - CLEAR. SOME STEAM
Oil Temperature - 178 F
Transmission Oil Temperature -
Exhaust Temperature -
Boost Pressure -
Air Box Pressure -
Exhaust Back Pressure -
Blowby Check - MINIMAL
Engine Room Temperature –
Fuel Restriction -
Vibration - MINOR
Alt Output Voltage – 13.8
Max Vessel Speed -
Leaks -
Notes - NONE

Stbd Engine

Oil Pressure - 6 BAR
Shaft Alignment -
Transmission Pressure –
Coolant Temperature - 80 C
Full Load RPM - 2970. 4000 HI IDLE
Exhaust Color - CLEAR. SOME STEAM
Oil Temperature - 187 F
Transmission Oil Temperature -
Exhaust Temperature -
Boost Pressure -
Air Box Pressure -
Exhaust Back Pressure -
Blowby Check - MINIMAL
Engine Room Temperature –
Fuel Restriction -
Vibration - NONE
Alt Output Voltage – 13.6
Max Vessel Speed -
Leaks - RAW WATER LEAK AT FRONT OF HEAT EXCHANGER
Notes - ENGINE IS RATED AT 3300. ONLY TURNS APPROXIMATELY 3000