

# Offshore Marine Surveyors

1661 S.W. 23<sup>RD</sup> Ave., Ft. Lauderdale, Florida 33312 Tel (954) 587-5879 Fax (954) 316-5149

## **Motor Vessel Condition & Valuation Survey**

**Vessel Name:** "TowBoat US SeaArk Barge"

**File No:** 1580093

**Survey Date:** 08/18/15

**Builder:** SeaArk Marine

**Client:**

**Model Year:** 1996

**Model:** 30' Barge

Offshore Marine Towing

**Year Built:** 1996

**Official #:** N/A

601 NE 28<sup>th</sup> Ct.

**Hull Type:** Modified-V

**HIN:** SAMA0712I696

Pompano Beach, FL 33064

**Construction:** Aluminum

**Power:** (2) 115hp Johnson OB's

**Intended Use:** Commercial

**Eng. SN:** (p) G04112691

(s) G04112765

**Description:** Outboard powered aluminum barge with red hull, gray decks, white superstructure and rails, black bottom.

**LOA:** 30' **Draft:** Approx. 3' **Beam:** 10'6" **Displacement:** Approx. 5,900lbs

**Fuel Tank (s), Material:** (1) Aluminum

**Capacity:** 75 gallons

**Location/Scope of Survey:** The vessel was surveyed afloat at Lauderdale Marina in Fort Lauderdale, Florida. AC & DC systems were proven. Safety gear was inspected.

### **Surveyor's Remarks**

The vessel was found to be structurally and mechanically sound. Her machinery components, fuel system, wiring, and other major systems, appear serviceable and have been installed in accordance with applicable standards and regulations. No deficiencies were found.

**Vessels overall condition:** Excellent

**Approximate present value:** \$75,000.00.

**Approximate replacement value:** \$125,000.00.

**Recommendations for compliance with U.S. Coast Guard regulation, Title 33 Code of Federal Regulations, Title 46 United State Code, American Boat and Yacht Council Recommended Practice, National Fire Protection Association Standards, and Good Marine Practice:**

None

## Details of Inspection

### Safety Gear

**Fire extinguishers:** There are (2) ABC rated units located in the wheelhouse. One unit is new, the gauges on both show charged. Certification is required annually.

**Bilge Pumps: Electric manual/auto:** Amidships/Rule 1100gph **Function:** Good

**Electric manual/auto:** Aft/Rule 3700gph **Function:** Good

**Electric manual/auto:** Aft/Rule 1000gph **Function:** Good

**Life Jackets, No/type:** (6) type II, stored in the aft storage compartment.

**Throwable:** (1) type IV, secured aft of the wheelhouse.

**Anchor:** (2) Danforth with chain and nylon rode. Both are stored in the aft storage compartment.

**Distress Signals:** Stored in the aft storage compartment. Expiration date 3/18.

**First Aid Kit:** Stored in the aft storage compartment.

**Horn:** Air/electric **Function:** Good

**Oil Discharge & Trash Disposal Placards:** Yes

### Navigation Gear

**Running/Anchor Lights:** Good

**Towing Lights:** Good

**Strobe Lights:** Not found

**Compass:** Not found

**VHF Radio:** Standard Horizon Matrix GX2000 AIS/GPS **Function:** Good

**Private Communication System:** Motorola XPR 4550 **Function:** Good

### Equipment

Containment boom

Numerous dock lines

Jumper cables

Deck lights

### Hull and Structure

**Hull Construction:** Welded aluminum

**Bottom:** Welded aluminum, inspected from the interior only. The plating and welds appear to be in good condition and show no evidence of galvanic wasting.

**Frames/Bulkheads/Stringers:** Welded aluminum, appear sound.

**Topsides:** Welded aluminum, generally blemish free and in good condition.

**Deck Construction:** Welded aluminum, with non-skid, good

**Bonding System:** There are zincs on the hull and engines. The vessel is also equipped with a galvanic isolator.

**Through-Hull Fittings:** Metallic above and below the waterline. The only below water thru-hull is the transom drain plug. All appear serviceable.

**Hatches:** Watertight, good

**Windows:** Good, no evidence of leaking found.

**Deck Hardware:** Secure and in good condition.

**Scuppers:** Adequate

**Bilges:** Clean with good access.

## **Machinery**

**Engines, Mfg:** (2) Johnson 115hp 2 stroke outboards      **Fuel:** Gas

**Engine Model #:** (p) J115SXEDR (s) J115SXEDR

**Engine SN:** (p) G04112691 (s) G04112765

**Year of Manufacture:** 1996

**Hours Shown:** (p) 161 (s) 14

**Appearance:** The engines appear to be in good condition.

**Propellers:** 3 blade, good

**Steering System:** Sea Star hydraulic

**Function:** Good

**Controls:** Dual handle cable with trim control.

**Function:** Good

**Gauges:** Analog

**Function:** Not proven

**Power Tilt & Trim:** Good

**Function:** Good

## **Fuel System**

**Fuel Tank(s):** (1) Aluminum, located below deck, capacity 75 gallons. The tank appears serviceable and no evidence of leaking was found.

**Fuel Fill Location:** Side deck

**Fuel Lines:** Approved type

**Grounded:** Yes

**Fuel Filters:** Fuel/water separators

**Comments:** The system appears serviceable.

## **Electrical System, DC**

**Nominal Voltage:** 12vdc

**Battery Switches:** (2) Approved type

**Batteries, Quantity/Type:** (2) group 24 wet cell. Both batteries are covered and secured.

**Panel Location:** Helm, all breakers/switches are labeled and appear to be in good condition.

**Meters:** Volt at helm

**Circuit Protection:** Breakers & fuses, all circuits appear to have overload protection.

**Wiring:** Thermoplastic, marine grade, properly routed and secured.

**Comments:** The system appears serviceable.

## **Electrical System, AC**

The AC system consists of 15 amp inlet fitting to power the Crown 60 amp battery charger. The system appears serviceable.

## **Deck Layout**

The wheelhouse is centerline aft. Forward of the wheelhouse is a large cargo hold. Aft is a below deck storage compartment with watertight hatch.

*Every reasonable effort has been made by this surveyor to provide an accurate report. However, the examination was made without removing any permanent structure or fixture, or dismantling components or equipment. It is a statement of my opinion based on conditions found and is not a guarantee or warranty of the condition of the vessel or its equipment.*

Signed without prejudice,

Member:

By /Paul P. Slawek/

Society of Accredited Marine Surveyors (AMS#518)

Paul Peter Slawek, AMS

