

**F/V TATIANA**  
**ON 632 123**

**Estimated speed and cruising range:** Approximately 10 knots with a cruising time (using total fuel capacity of approximately 14,000 to 16,000 gallons) in excess of sixty days at sea.

**Length:** 75.1' **Beam:** 22.2' **Depth:** 11.6' **LOA:** 85.0'

**Gross Tonnage:** 135.0 **Net Tonnage:** 92.0

**Port of Registration:** San Francisco, CA

**Registered/Managing Owner:** Terry Rosaaen

**Year Built:** 1981/Quality Marine, Inc.

**Electronics:**

1. Furuno FH 106, 6-inch paper recorder w/Furuno FN 700 net sounder
2. Konel/Furuno F 200-A, 260 fm., 10-inch recorder
3. 3300 Video Plotter
4. Furuno FH-105, 12-channel video color sonar
5. Furuno LC-90 Loran C
6. Wood Freeman #500 Auto pilot and Wagner power jog mounted aft deck
7. Furuno 24-mile daylight display radar
8. Raytheon "Ray 350" loudhailer
9. DuBose 58B-200 single side band T/R, call WBD 6736
10. Perko eight-inch utility spotlight, mounted on cabin roof
11. Morris controls, three station
12. Triton II-2, 55 channel VHF T/R
13. Engine room Haylon extinguisher manual release
14. Dytek Lab #703200 sea temperature gauge
15. Global Positioning System
16. PC WinPlot Chart Program and Computer, interfaced with other electronics

**Machinery:** Main engine: Twelve cylinders CAT 3412, rated 520 HP. Installed new when the vessel was built. Equipped with front-mounted Federal N-1635 power take off driving three 42 GPM Commercial hydraulic pumps. There are audible low oil, low water and high water temperature alarms. The engine is naturally aspirated and the exhaust system is insulated.

**Reduction Gear:** Cat model 7221, 6:1 hydraulic gear connected to a 4½-inch stainless steel shaft and driving a 63", four-blade bronze wheel. The wheel turns inside a fixed nozzle.

**Auxiliary engine:** Four-cylinder Cat model 3304 driving a Lima 30KW, 12/240 VAC three-phase generator. The engine is equipped with a separate keel cooler, exhaust system and PTO driving a Commercial 24 GPM hydraulic pump. There are automatic shutdown monitors for low water, low oil, and high operating temperature.

**Other Engine Room Equipment:**

1. LaMarche 12-volt, 60 amp. Constavolt
2. LaMarche 32-volt, 40 amp. Constavolt
3. Champion air compressor
4. Humphrey Marine sewage system
5. Lincoln 225 amp, AC welder
6. Activation 110-volt hydraulic steering unit w/Sheffer cylinders
7. Lerio fresh and salt water pressure systems, 110VAC
8. Cutler Hammer & Square D electric panels and circuit breakers
9. Marine shore power hookup
10. Hydraulic oil cooling system on a separate keel cooler, equipped with a six-filter manifold and pressure gauges.
11. Marine Products bilge pump w/110-volt Baldor drive
12. Certified U.S. Coast Guard alarm system, shut down procedures and marked fire station
13. In addition to the required fire extinguishers a Haylon gas extinguisher system is mounted in the engine room
14. Audible bilge alarms
15. Storage tanks for 100 gal. Lube and 200 gal. Hydraulic oil.
16. The forecandle is used for storage. There is an abundance of spare parts, filters and rigging.

**Electric System:** Thirty-two VDC ship starting and 32, 12 VDC power for the electronics. The 110 and 220 volt system is used for deck lighting, galley, steering and water pumps. It is protected by circuit breakers. There is a 110 VAC short power hookup to 12 and 32 VDC constavolt units. The 12 and 32 VDC power is supplied by four 8-volt and one 12-volt HD marine batteries.

**Fuel Tanks:** Four tanks, holding 14,000 to 16,000 gallons total, mounted two in the stern and two in the wings of the engine room. The tanks are vented to the atmosphere with shutoff valves at the tanks and fuel manifolds.

**Standard rigging:** Twelve-inch steel mast attached at the cabin roof and a six-inch double steel "T" picking boom. There are two five-inch picking booms attached to the mast. The mast and booms are supported by a four-inch steel pipe "A" frame.

Standard Quality Marine, Inc., outriggers are mounted amidships. Double drum Gearmatic picking and splitting winches are attached to the mast. There is a double-headed hydraulic windlass mounted amidships aft of the cabin and forward of the fish hold. There are three 1000-watt sodium lights and 6-400 watt Halogen deck lights.

**Fish hold:** Rated 92 net tons. The hold is divided into four bins each side and four down the center.

**Bilge Pumps:** A 1 $\frac{3}{4}$ ", 110 VAC Marine Products combination bilge pump is mounted in the engine room.

**Steering System:** Activation 110-volt pump supplying Sheffer double ram hydraulic steering. The autopilot is designed for use with this type of steering.







