



# AURA

## TWIN Z-DRIVE TUG



### BACKGROUND

**Owner/Operator:** E.N. Bisso  
**Builder:** Great Lakes Shipyard, Cleveland, OH  
**Delivered:** 2013  
**Official #:** 1244561  
**IMO #:** 9641742  
**Call Sign:** WDG6818  
**USCG Inspected**  
**ABS Full Class, A1, Towing Service**  
**Escort Vessel, AMS, FFV1**  
**ABS Safety Management Certificate**

### PROPULSION

**Engines:** 2 x CAT C280 – 2,300bhp  
**Bollard Pull:** 63 tons  
**Z-Drives:** 2 x Rolls-Royce drives turning 90.6" propellers  
**Generators:** 2 x CAT C6.6, 150kW

### DIMENSIONS

**LOA:** 92'  
**Breadth:** 38'  
**Depth:** 16.75'  
**Speed:** 12 knots  
**GRT:** 173 US / 44 NRT

### DECK EQUIPMENT

**Forward Hawser Winch:** 2 x JonRie Series  
220 winches with 450' of 7" Saturn 12 HMPE  
**Aft Hawser/Towing Winch:** Series 421 Capstan

### NAVIGATION

**Radar:** 2 x Furuno FAR2117 12kW 96nm X-Band  
1 x Furuno FR8062 6kW 72nm X-Band  
**Electronic Chart Display:** Rose Point ECS  
**GPS:** Furuno GP150  
**Compass:** Furuno SC110  
**Autopilot:** Northrop Grumman NAVIPILOT 4,000

### COMMUNICATIONS

**VHF Radios:** 2 x Furuno FM-8800S

### FIREFIGHTING

**Monitors:** 2 x Remote controlled nozzles with  
2,800 cubic meter per hour capacity