



**TRACTOR TUG "SAM"**  
*Harbor/Escort Tug*

## BACKGROUND

**Owner:** Harbor Docking & Towing  
**Builder:** Crowley Marine Services  
**Delivered:** 2017

## DIMENSIONS

**Length:** 105' 0"  
**Beam:** 34' 0"  
**Depth:** 16' 0"

## PROPULSION

**Main Engine:** Rolls Royce US205P Thrusters (2017)  
**Bollard Pull:** 70.5 tons

## FENDERING

Shibata system installed 2017  
Staple moved and angled

## MAIN ENGINES

Main (2) Cat 3516C Tier 3 (2014)  
Horsepower 5,150 BHP  
Aux (2) JD 4045, 99kw (2017)

## DECK MACHINERY

**Burrard Double Drum Stern Tow Winch:** Markey DEPC  
48-50hp bow winch (2017)

## CAPACITY

**Fuel:** 102,000 gallons  
**Potable Water:** 7,000 gallons  
**Lube Oil:** 1,200 gallons

## NAVIGATION/COMMUNICATIONS

Furuno 8111 D radar  
Furuno 8122 Radar  
Sailor VHF Radios  
Robertson auto Pilot  
Furuno GPS/Fathometer

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