



**HYBRID TRACTOR TUG "RALPH"**  
*Harbor/Escort Tug*

### BACKGROUND

Owner: Harbor Docking & Towing  
Builder: Washburn & Doughty  
Delivered: 2019  
Class: ABS + A1/AMS Machinery, USCG Inspected

### IDENTIFICATION

Official #: 1293042  
Call Sign: WDK7184

### HYBRID PROPULSION

Engines: 2 x Tier 4 Cat 3512E, 2,550 HP  
Electric Motors: 2 x ABB, ~ 800 HP  
Bollard Pull: 84 metric tons ahead  
Z-Drives: 2 x Cat MTA 628 turning 110" props  
Generators: 2 x 565-kW Cat C18, 1 x 200-kW Cat C7.1

### PROPULSION MODES

ECO: Diesel Electric Only  
Normal: Mechanical Only  
Hybrid: Both Diesel Electric and Mechanical  
FIFI: Diesel Electric + Starboard PTO

### DIMENSIONS

LOA: 93' 0"  
Breadth: 38' 0"  
Depth: 17' 6"  
Speed: 14 knots  
GRT: < 200 tons

### DECK EQUIPMENT

Winches: Markey DEPCF-52 hawser, 75 HP  
Cordage: 475' of 10" Samson AmSteel-Blue  
Cranes: EBI Cranes TC10

### NAVIGATION GEAR

Radar: 2 x Furuno DRS12A X-class  
Electronic Chart Display: Furuno TZtouch 14" display  
Compass: Ritchie YB-600; Simrad HS70  
AIS: Furuno H570  
Autopilot: Simrad AP80

### COMMUNICATIONS

Radio: 3 x Standard Horizon GX6000 VHF

### CAPACITIES

Fuel: 34,120 gallons  
Water: 4,060 gallons  
Lube Oil: 1,700 gallons  
DEF: 1,800 gallons

### FIREFIGHTING

Monitors: 2 x FFS 1200 capable of 11,000 total gpm  
Pumps: 1 x FFS SFP 300x400CW-NCI pump  
Onboard Fire Suppression Systems: Ansul fixed CO2

*Powered by Innovation.*

Harbor Docking & Towing LLC 4902 Ihles Road, Suite B Lake Charles, Louisiana 70605  
P 337.439.3462 F 337.478.0660 dispatch@harbordocking.com harbordocking.com