



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.

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