

CROWLEY®



<u>Name</u>	<u>IMO Number</u>	<u>Year Built</u>
<i>Sea Reliance/550-1</i>	9270309	2002
<i>Sound Reliance/550-2</i>	9270311	2002
<i>Ocean Reliance/550-3</i>	9275438	2002
<i>Coastal Reliance/550-4</i>	9271119	2002

550 CLASS ARTICULATED TUG BARGE FLEET (ATB)

Designed with advanced safety features such as IGS, segregated ballast and radar gauging systems, Crowley’s 550 Class ATBs offer proven reliability and performance utilizing the best achievable technology currently available. These ATBs are designed for full ocean service and are equipped to achieve speeds of 12 knots.

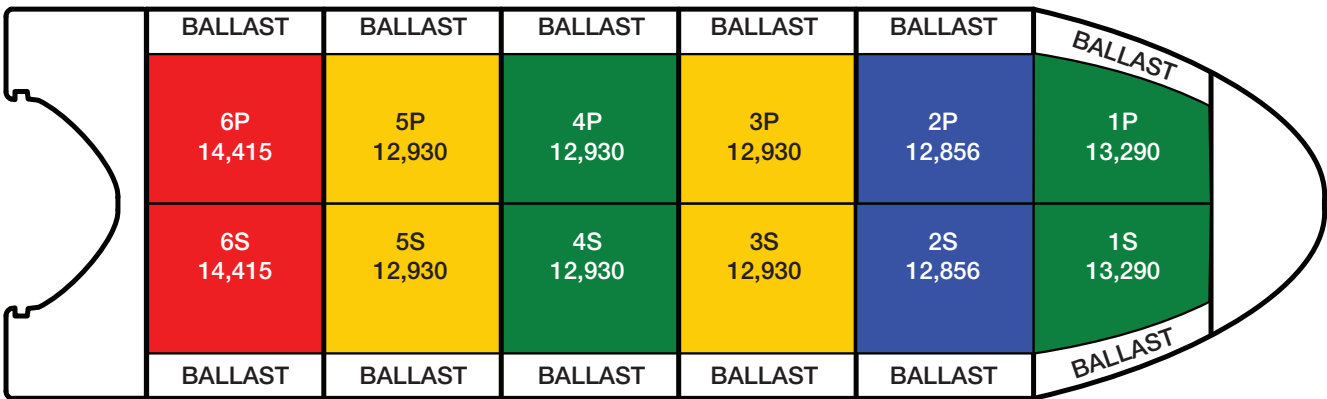
550 Class Design Highlights:

- 155,284 barrels (550-1); 159,284 barrels (550-2/550-3/550-4) at 96% capacity
- Twin screw, 9,280 HP tug with Intercon notch connection
- 12 knot speeds in seas as high as Beaufort 5 conditions
- Designed to carry clean petroleum products and EZ chemicals
- Barge built under ABS SafeHull program for maximum environmental protection.
- Meets full SOLAS criteria for enhanced crew safety
- Redundant steering system with oversized rudders for maximum handling capability
- Transfer rates of up to 20,000 barrels per hour
- Sumped cargo tanks allowing for minimal cargo ROB
- Remote radar gauging in all cargo and ballast tanks
- Two ballast pumps, each rated at 5,000 bbl/hour
- Dual-mode inert gas vapor collection system
- Two hose-handling cranes with 10-ton safe working load
- Enhanced mooring system featuring 1,000 feet of Spectra-type lines on split drums with a high-speed recovery rate of 100 feet per minute
- One anchor windlass with 10 shots of chain for offshore mooring operation
- Barge meets OCIMF and ISCOTT requirements

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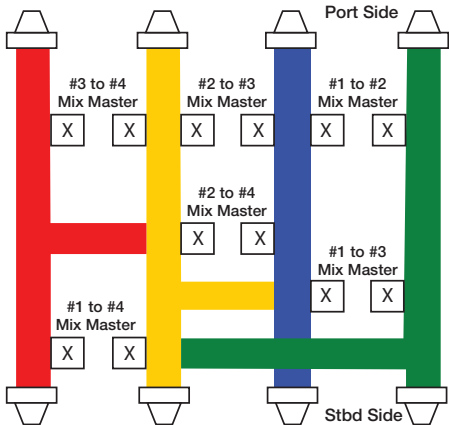
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Cargo Systems at 96% Capacity

1P/S & 4P/S	52,440 bbls
2P/S	25,712 bbls
3P/S & 5P/S	51,720 bbls
6P/S	28,830 bbls

*Quantities are approximate based on gross bbls capacities



GENERAL SPECIFICATIONS

FLAG

United States

BUILDER

Halter Marine (550-1/550-2) • Bay Shipbuilding (550-3/550-4)

OVERALL DIMENSIONS

Length:	477.1' (550-1/550-2) 121.8' (Sea Reliance/Sound Reliance) 481.9' (550-3/550-4) 121.9' (Ocean Reliance/Coastal Reliance)
Breadth:	74' (550-1/550-2) 42' (Sea Reliance/Sound Reliance/ Ocean Reliance/Coastal Reliance) 78' (550-3/550-4)
Depth:	40' (550-1/550-2/550-3/550-4) 22.1' (Sea Reliance/Sound Reliance) 24' (Ocean Reliance/Coastal Reliance)
Design Draft:	16'5"(550-1/550-2/550-3) 16'10" (550-4)
DWT:	18,148 LT (550-1/550-2) 19,999 LT (550-3/550-4)
Tonnage:	11,129 (550-1/550-2) 11,457 (550-3/550-4)

*All information contained herein (including but not limited to any specifications, particulars, capacities, or capabilities) is believed to be correct, but is not guaranteed and is subject to change without notice. Particulars are entirely without warranty as to their correctness and interested parties must inspect the vessel, its certificates and drawings accordingly.

TANK CAPACITY

Cargo @96%:	155,284 bbls (550-1) 159,419 bbls (550-2/550-3/550-4)
MGO -	4,575 bbls (550-1/550-2/550-3) 3,076 bbls (550-4)

CARGO EQUIPMENT - Deepwell

Tanks:	12
Segregations:	4
Pumps:	4
Capacity:	795 M3/HR
Crane:	2: 20 ton

MACHINERY

Main Engine:	2:CAT 3416 (550-1/550-2) 2:CAT 3516 (550-3/550-4)
Emissions Standard:	Tier II
HP:	9,280
Propeller:	Fixed Pitch
Generators:	2
Ballast Sys.:	2 Deepwell Pump-5,000 bbls/hr

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