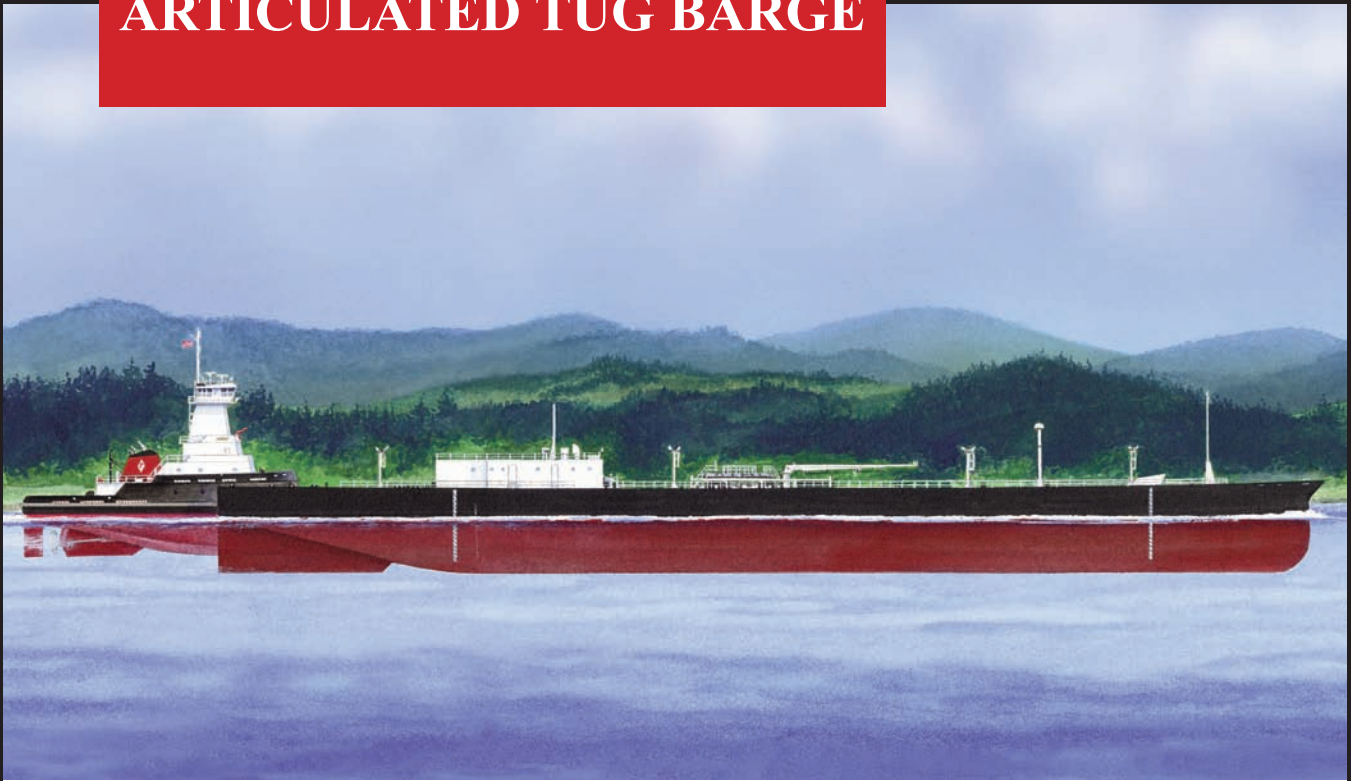


RELIANCE / 550-3 & 550-4 ARTICULATED TUG BARGE



Crowley's Reliance / 550 Class Articulated Tug-Barges (ATBs) incorporate the latest advances in environmental safety along with improvements in hull design to deliver the most advanced and efficient tug-barge combinations currently available. Making use of an articulated connection system, the tug mates into a specially designed notch on in the stern of the barge. The sophisticated connection allows the tug and barge to move fluidly as one unit in the most adverse seas and up to "bar closing" conditions, thereby providing increased service reliability not achievable with a conventional tug and barge. With the barge's advance hull shape and articulated connection system, the unit is able to achieve a service speed of 12 kts.

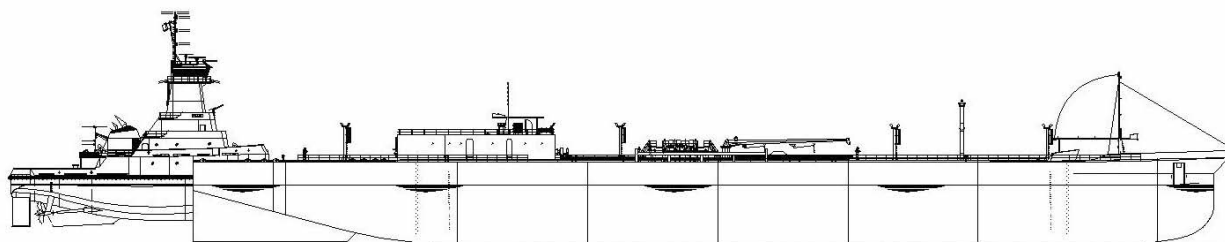
Barges are double hulled and tugs double sided for maximum protection and safety. The barges were built, documented and maintained to the stringent requirements of American Bureau of Shipping (ABS) SafeHull. They have sophisticated inert gas generating systems, vapor recovery systems, fully redundant ballast systems, flexible and highly efficient cargo systems, closed radar tank gauging systems, and advanced mooring systems.

Tugs meet all SOLAS (Safety Of Life At Sea) and ABS criteria, and have foam capable fire monitors; twin fuel efficient, low emission electronic diesel engines; noise reduction packages as well as other upgrades to increase performance and ensure safe, reliable operation. The tugs and barges carry communication and navigation equipment that is among the most technologically advanced in the industry today.

CROWLEY
People Who Know™

9487 Regency Square Boulevard
Jacksonville, Florida 32226
(904) 727-2200

www.crowley.com



RELIANCE / 550-3 & 550-4 SPECIFICATIONS:

Tug Specifications:

LOA: 127'

Beam: 42'

Draft: 24'

Draft: 19'''

Gross Tons: under 300

Fuel Capacity: 160,000 gal

Speed: 12 kts

Twin low emission Caterpillar 3612 B electronically controlled engines at 4,640 BHP each

Barge Specifications:

LOA (barge): 512'

LOA (coupled): 605'

Beam: 78'

Depth: 40'

Draft: 27' 6"

DWT: 19,683 LT

Cargo Cap: 155,000 bbls @ 95%

12 Cargo Tanks (min 12,500 bbls each)

4 Cargo Pumps @ 5,000 BPH each

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