

Panama Canal Authority – Tugboat Fleet – Principal Particulars



UNIDAD

GENERAL

Registered Owner : Panama Canal Authority
 Owner/Operator : Panama Canal Authority
 Previous Name(s) : None
 Category : Harbour Tug
 Type : Tractor
 Built : 1997
 Yard : Halter Marine Group, Inc.
 Hull No. 136 – U.S.A.

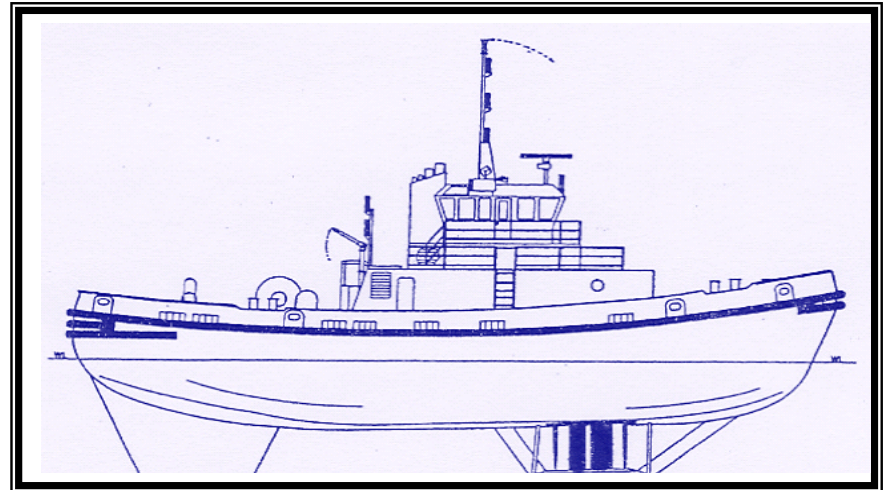
Classification : ABS (Declassed)
 Flag : Panama
 Port : Balboa, Panama
 Call Sign : HP-9790
 Bollard Pull : About 31.0
 Speed : 12 Knots

TONNAGE/DIMENSIONS

GRT : 286.00 tons
 LOA : 95 ft 0 in
 Beam : 34 ft 0 in
 Draught : FWD 17 ft 0 in; AFT 17 ft 0 in
 Moulded Depth : 11 ft 9 in

TANK CAPACITIES

Bunker : 28,908 (gal)
 Fresh Water : 3104 (gal)
 Foam : 1240 (gal)



MACHINERY

Main Engine(s) : 2
 Make : General Motors EMD
 Model : 645-E6
 BHP : 3,000
 Propulsion : GII Unit 28G
 Propulsion description : Twin Voith Schneider Cycloidal

EMERGENCY INTERVENTION

One (1) 2-Stage Centrifugal Pump : 2,000 GPM @ 150 PSI
 Two (2) Firefighting Monitor : SKUM MK 100

TOWING EQUIPMENT

One (1) Double-Drum Hawser winch on the stern
 Manufacturer : Markey Machinery Company Inc.
 Model : DF-51
 Rope Reeling Rating : 4,000 lbs pull @ 230 ft/min
 Drum Brake Capacity : 75 tons
 Length of Line : 640 ft @ 10 circumference
 Bow Vertical Capstan : Markey Machinery Company Inc.
 Model : CYP 90
 Barrel Diameter : 68.58 cm
 Bollard Rating : 50 ft/min @ 6 tons Pull
 : 110 ft/min @ 3.5 tons pull