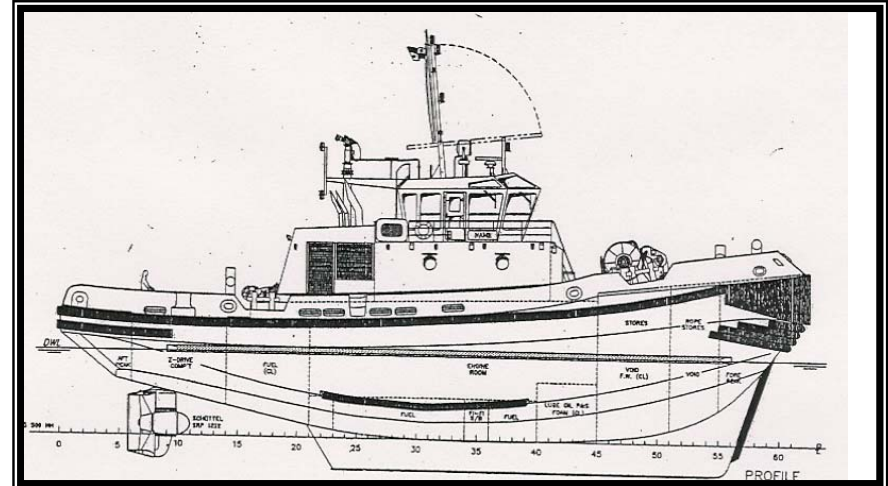


Panama Canal Authority – Tugboat Fleet – Principal Particulars



HERRERA

GENERAL

Registered Owner : Panama Canal Authority
 Owner/Operator : Panama Canal Authority
 Category : Harbour Tug
 Type : ASD
 Built : 2002
 Yard : Irving Shipbuilding Inc.
 : Hull No. 76 – CANADA
 Classification : LR (Declassed)
 Flag : Panama
 Port : Balboa, Panama
 Call Sign : HO-3022
 Bollard Pull : About 54.0
 Speed : 13 Knots

TONNAGE/DIMENSIONS

GRT : 382.00
 LOA : 101 ft 0 in
 Beam : 36 ft 7 in
 Draught : FWD 16 ft 3 in; AFT 16 ft 3 in
 Moulded Depth : 15 ft 8 in

TANK CAPACITIES

Bunker : 38,462 Gal
 Fresh Water : 3,011 Gal
 Foam : 4,886 Gal

MACHINERY

Main Engine : 2
 Make : Deutz
 Model : SBV-8M-628
 BHP : 4,400
 Propulsion : Schottel SRP 1212
 Propulsion description : Twin Screw, fixed pitch
 : 360° steerable Kort Nozzles

EMERGENCY INTERVENTION

One (1) Centrifugal Pump : 5,000 GPM @ 170 PSI
 One (1) Firefighting Monitor : SKUM FJM 150

TOWING EQUIPMENT

One (1) Double-Drum Hawser winch on the bow
 Manufacturer : Timberland Equipment Limited
 Model : 651A Double Drum Hawser
 Rope Reeling Rating : 2.68 tons pull @ 86 ft/min
 Drum Brake Capacity : 134 tons
 Length of Line : 640 ft @ 10 circumference
 One (1) Vertical capstan on the stern
 Manufacturer : Timberland Equipment Limited
 Model : 353H 24" Hydraulic Capstan
 Warping Head Diameter : 24 Inch
 Bollard Rating : 13.4 tons