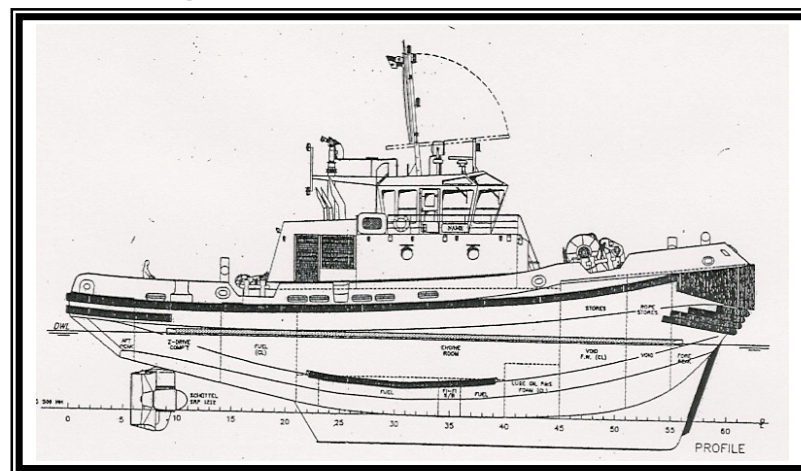


Panama Canal Authority – Tugboat Fleet – Principal Particulars



COLON

GENERALS

Owner	: Panama Canal Authority
Owner/operator	: Panama Canal Authority
Category	: Harbor tug
Type	: ASD
Year of built	: 2001
Shipyard	: Irving Shipbuilding Inc., Canada
Hull number	: 74
Class notation used for construction	: LR
Flag	: Panamá
Port of registry	: Balboa, Panamá
Call sign	: HO-2738
Bollard pull	: About 54.0 tons
Speed	: 13 knots

DIMENSIONS

GROSS TONNAGE (GRT)	: 382.00 tons
Length overall (LOA)	: 30.80 m
Beam	: 11.14 m
Max. draught	: 4.95 m
Moulded depth	: 5.21 m

TANK CAPACITIES

Fuel	: 145.6 m ³
Fresh water	: 11.4 m ³
Foam	: 18.5 m ³

PROPULSION

Main engines	: 2 Deutz
Model	: SBV-8M-628
Main power	: 4,400 HP
Propulsion	: Azimuthal, Schottel SRP 1212
Propulsion description	: 2 Kort Nozzles, 2400 mm Ø fixed pitch and rotated 360°

FIRE FIGHTING EQUIPMENT

One (1) Centrifugal Pump	: 1136 m ³ /h. @ 12.00 Kg./cm ²
Firefighting monitor	: SKUM FJM 150

TOWING EQUIPMENT

One (1) Double-Drum Hawser winch on the bow	
Marker	: Timberland Equipment Limited
Model	: 651A Double Drum Hawser
Drum capacity	: 195 m x 252 mm circumference line
Rate pull	: 2,435 Kg. (pull) @ 52 m/min.
Drum brake capacity	: 136 tons

One (1) Vertical capstan on the stern	
Marker	: Timberland Equipment Limited
Model	: 353H 24 Hydraulic Capstan
Drum diameter	: 610 mm
Drum brake capacity	: 13.6 tons