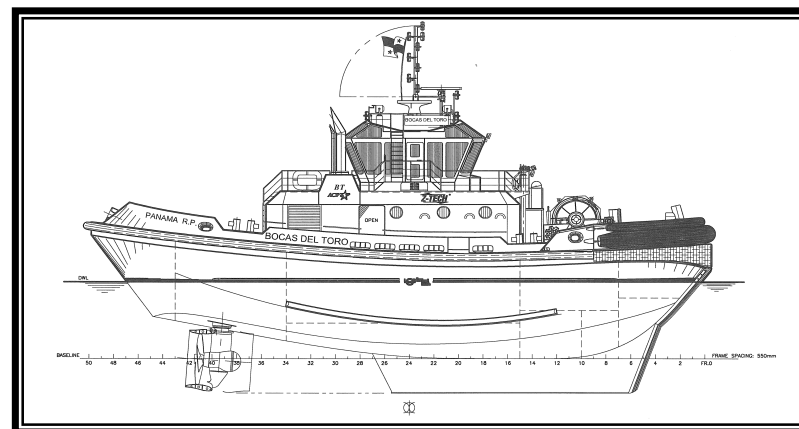


Panama Canal Authority – Tugboat Fleet – Principal Particulars



VERAGUAS I

GENERALS

| | |
|--------------------------------------|--|
| Owner | : Panama Canal Authority |
| Owner/operator | : Panama Canal Authority |
| Category | : Harbor tug |
| Type | : Z-Tech 6000 |
| Year of built | : 2007 |
| Shipyard | : Shipyards Cheoy Lee Ltd. y Shipyards Hin Lee Ltd, China |
| Hull number | : 4894 |
| Class notation used for construction | : LR + 100 AN Tug, +LMC UMS |
| Flag | : Panamá |
| Port of registry | : Balboa, Panamá |
| Call sign | : HO-4369 |
| Bollard pull | : About 61 tons |
| Speed | : 12 knots |

DIMENSIONS

| | |
|----------------------|------------|
| GROSS TONNAGE (GRT) | : 327 tons |
| Length overall (LOA) | : 27.4 m |
| Beam | : 11.65 m |
| Max. draught | : 5.33 m |
| Moulded depth | : 5.00 m |

TANK CAPACITIES

| | |
|-------------|------------------------|
| Fuel | : 110.7 m ³ |
| Fresh water | : 12.2 m ³ |
| Foam | : 7.0 m ³ |

PROPULSION

| | |
|------------------------|---|
| Main engines | : 2 Wärtsilä |
| Model | : 9L20 |
| Main power | : 2 x 1800KW @ 1000rpm, 4,826 HP |
| Propulsion | : Azimuthal, Wärtsilä Lips FS250-S/BN-K |
| Propulsion description | : 2 Kort Nozzles, 2400 mm Ø fixed pitch and rotated 360° |

FIRE FIGHTING EQUIPMENT

| | |
|----------------------|---|
| Centrifugal Pump | : 1136 m ³ /hr @ 12.00 Kg./cm ² . |
| Firefighting monitor | : FFS600 |

TOWING EQUIPMENT

| | |
|---|-------------------------------------|
| Two (2) Hydraulic Towing Winches at the bow | |
| Maker | : Corporation Plimsoll Pte. Ltd. |
| Model | : PC-HTW/SD-06/180-L |
| Drum capacity | : 185 m x 178 mm circumference line |
| Rate pull | : 6.0 T (pull) @ 25 m/min. |
| Drum brake capacity | : 180 T |

| | |
|--|----------------------------------|
| One (1) hydraulic capstan at the stern | |
| Maker | : Corporation Plimsoll Pte. Ltd. |
| Model | : PC-HVC-10/450 |
| Drum diameter | : 450 mm |
| Rate pull | : 10 T (pull) @ 12 m/min |