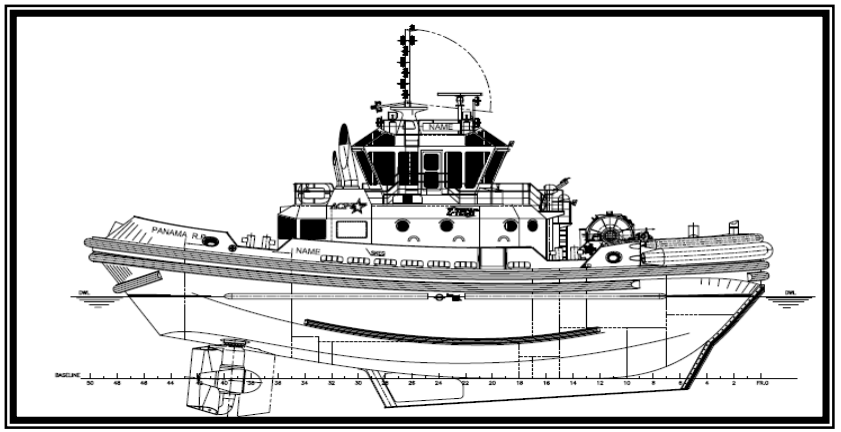

ESTI

GENERALS

Owner	: Panama Canal Authority
Owner/operator	: Panama Canal Authority
Category	: Harbor tug
Type	: Z-Tech 6500
Year of built	: 2011
Shipyard	: Shipyards Cheoy Lee Ltd. y Shipyards Hin Lee Ltd, China
Hull number	: 4989
Class notation used for construction	: LR + 100 AN Tug, +LMC UMS
Flag	: Panamá
Port of registry	: Balboa, Panamá
Call sign	: HP-2939
Bollard pull	: About 65 tons
Speed	: 12 knots
Displacement	: 649 tons

DIMENSIONS

GROSS TONNAGE (GRT)	: 359 tons
Length overall (LOA)	: 27.4 m
Beam	: 12.20 m
Max. draught	: 5.56 m
Moulded depth	: 5.05 m

TANK CAPACITIES

Fuel	: 115.7 m^3
Fresh water	: 12.0 m^3
Foam	: 7.0 m^3

PROPULSION

Main engines	: 2 General Electric
Model	: GE 12V228
Main power	: 2X2180 KW @1000rpm 5,845 HP
Propulsion	: Azimuthal Schottel SRP 1515 FP
Propulsion description	: 2 Kort Nozzles, 2600 mm Ø fixed pitch and rotated 360°

FIRE FIGHTING EQUIPMENT

Centrifugal Pump	: 1136 m^3/hr @ 10.5 Bar @ 1800 rpm
Firefighting monitor	: FFS600

TOWING EQUIPMENT

Two (2) Hydraulic Towing Winches at the bow

Maker	: MacGregor - Plimsoll Pte. Ltd.
Model	: P446-HTV/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	: MacGregor - Plimsoll Pte. Ltd.
Model	: PC-HVC-10/450
Drum diameter	: 450 mm
Rate pull	: 10 T (pull) @ 15 m/min