

Panama Canal Authority – Tugboat Fleet – Principal Particulars



CECIL F. HAYNES

GENERAL

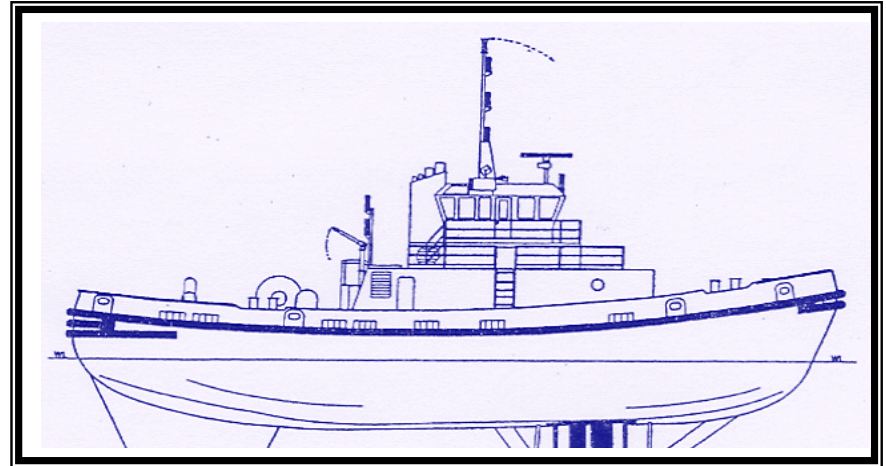
| | |
|------------------|--|
| Registered Owner | : Panama Canal Authority |
| Owner/Operator | : Panama Canal Authority |
| Previous Name(s) | : None |
| Category | : Harbour Tug |
| Type | : Tractor |
| Built | : 1997 |
| Yard | : Halter Marine Group, Inc. : Hull No. 136 – U.S.A. |
| Classification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