

# PORT HAMILTON REFINING AND TRANSPORTATION, LLLP

## Equipment for Sale: No. 2 Crude Distillation Unit

### Summary:

The 1967 No. 2 Crude Distillation Unit (2 CDU) has a design charge capacity of 100,000 BPD. Five year run average 110,000 BPD. Main distillation tower circuits include Overhead, Naphtha Pumparound (P/A), Heavy Naphtha Product, Kero, No. 2 Oil, HAGO, and No. 6 Oil. The unit was operating until 2010 when it was shut down.

**Cold Train Exchangers A & B Trains:** Operating Ranges (Ea. Train): 35,000 – 50,000 BPSD @ 200-300 PSIG & 250-275 deg F

**Hot Train Exchangers A, B, C Trains:** Operating Ranges (Ea. Train): 25,000 – 35,000 BPSD @ 200-270 PSIG & 420 – 450 deg F

### Major Equipment (Specifications):

#### Crude Desalter (D-401A)

Operating Limits: 225 – 250 PSIG @ 250 – 275 deg F

Design: MAWP 250 PSI @ 350 deg F

12' Dia. X 80' T/T

Shell Material: SA-515-70

#### Charge Heaters (H-401 A/B/C)

Manufacturer: Born Inc.

Type: Horizontal-Radiant Convection

Size: 43'-10" H X 11' W

Crude Charge Rate per Heater: 60,000 BPSD

Design Duty (Ea.): 175 MMBTU/HR

#### Crude Distillation Tower (T-402)

180" ID X 115'-9" T/T (Upper Section)

108" ID X 25'-2" T/T (Bottom Boot Section)

Int. MAWP 51 PSIG @ 650 deg F

Ext. MAWP 7.5 PSIG @ 300 deg F

Approx. 35 Trays

#### Lt. Naphtha Stabilizer (T-406)

72" ID X 31'-3" T/Seam (Upper Section)

108" ID X 44'-3" T/Seam (Bottom Section)

MAWP: 250 PSI @ 500 deg F

Approx. 30 Trays



No. 2 Crude Distillation Unit

FOR MORE INFORMATION

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