

PORT HAMILTON REFINING AND TRANSPORTATION, LLLP

Equipment for Sale: Low Sulphur Gasoline (LSG) Plant

Summary:

The 2007 Low Sulfur Gasoline (LSG) Plant has a processing capacity of 50,000 barrels per day (BPD) using Exxon SCANfining™ technology. It was shut down in early 2012.

This plant is in excellent condition. Most of the process exchangers use 2205 duplex or 304L stainless steel tubes. The fired heater uses type 347 stainless steel tubes. The reactors are clad with 304 stainless steel, and the stripper column uses type 304 stainless steel trays.

Documentation for this facility is available in electronic formats. Including process flow diagrams, process descriptions, plot plans, and major equipment drawings and specification sheets for all units.

All pressure vessels have National Board numbers.

All major equipment has a nitrogen blanket.

Specifications:

Reaction Section

Flowsolve feed pumps rated for 1,650 gpm capacity at 1,160 psig with 600-hp GE electric drive motors.

Both the diolefin and the SCANfining reactor is 16.5 ft diameter by 17.5 ft tall and has a print weight of 220,500 lbs. Constructed of carbon steel with 1/8" of 304 stainless steel cladding and are rated for 510 psig at 650°F.

Recycle Gas (Treat Gas) Section

The recycle compressors are A-C model VH409 centrifugal compressors with Lufkin model NF2407D gearboxes and 5,000-hp, two-speed Westinghouse drives. They are rated for 63,000 SCFM each with 242 psig suction and 432 psig discharge pressures while spinning at 12,731 rpm. The hydrogen make-up compressors are two-stage reciprocating Burian Corbin (France) units with 470-hp Siemens drives. They are rated for 4,880 SCFM each.

Fired Heater

The direct-fired feed furnace is designed for 34 MM BTU/hr and is rated for 435 psig at 954°F.

Stripping Section

The column is rated for 160 psig at 515°F. The stripper column recirculation pump is a Flowsolve unit with a 200-hp GE drive motor.



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FOR MORE INFORMATION

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