



GAS-TO-LIQUIDS PLANT - 1,100 BPD

Capacity: 1100 BPD

Raw Materials: Natural Gas

Process Information: Fischer-Tropsch process to produce 1100 BPD of synthetic waxes, diesel, and naphtha. Previous owners invested over \$400 million in the plant. Originally designed to be the first commercial scale Fischer-Tropsch ("FT") plant in North America.

Major Equipment

- Steam Methane Reformer
- Fischer-Tropsch Reactor
- Fractionation Column
- Natural Gas hydrotreater
- Natural Gas Desulfurizer
- Shift Reactor
- CO2 Stripper, CO2 Absorber, CO2 Compressor
- Amine Columns
- Hydrogen Separation Unit
- Syngas Coolers
- Raw Wax Drum
- Diesel Condensers and Diesel Drums
- Naphtha Condensers and Naphtha Drums
- CO2 Recycle Compressor
- Wax Hydrogenation Reactor
- Wax Short-Path Distillation Unit

Brief Plant Description

1,100 BPD Gas-to-Liquid facility for sale. The facility includes nine process sections: (1) Feed Preparation; (2) Steam Methane Reformer (SMR); (3) Syngas Cooling Train; (4) Syngas Compression; (5) Hydrogen Separation (membrane process); (6) Fischer-Tropsch Synthesis; (7) Product Fractionation; (8) Wax Hydrogenation; (9) Wax Short-Path Distillation. The 46.5 MMSCFD Linde-designed SMR was commissioned in 1994 and operated as a syngas plant for 10 years. It was re-designed by Linde in 2015 for supplying syngas to the new GTL facility. The Fischer-Tropsch reactor and the product fractionation units were manufactured in 2015 to produce wax (J40, J54, J70 and J100), diesel and naphtha from syngas. Maximum wax output is 10,000 Lbs/hour. The plant has Yokagawa DCS control system. The facility includes 10.5 acres of land with easy transportation of railway and highway. Complete technical documents available.

Products

Wax: J100 Hard Wax, J75 High Melt Wax, J55 Mid Melt Wax, J40 Low Melt Wax, Distillate, Naphtha, and Diesel

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