



1200 BPD UNUSED WAX UPGRADE PLANT

Capacity: 1200 BPD

Raw Materials: Natural Gas

Process Information: Two 4,000 gallon batch hydrogenation reactor systems; each with 100 gpm feed capabilities. The reactors are rated for 327 psig at 455oF. Two 218 sq ft Short-Path Distillation Units (SPDU) rated for 22 psig/FV @ 572oF.

Major Equipment

Major Hydrogenation Equipment List (two systems):

- Reactor Charge Pumps (4)
- Reactor Charge Filters (4)
- (2) 4000 Gallon Hydrogenation Reactors
- Purge Vent Condensers (2)
- Catalyst Fines Filters (4)

Major WFE & SPDU Equipment List:

- Wiped Film Evaporator Feed Pumps (2)
- Flash Separator
- Wiped Film Evaporator
- Wiped Film Evaporator Condenser
- Wiped Film Evaporator Concentrate Pumps (2)
- SPDU #1 & #2 (2)
- SPDU #1 & #2 Distillate Pumps (4)
- SPDU #1 & #2 Concentrate Pumps (4)

Brief Plant Description

Wax Upgrade Plant Available with Real Estate. Built 2015, Never Used. Modular design, mostly stainless-steel components, unit consists of (2) Hydrogenation Units; (2) Short Path Distillation Units; and (1) Wipe Film Evaporator Unit. The plant was never operated, however, the expected capacity of the plant as originally designed was as follows: J100 Hard Wax: ~19,600 tpa; J75 High Melt Wax: ~2,700 tpa; J55 Mid Melt Wax: ~10,000 tpa; J40 Low Melt Wax: ~1,700 tpa; Distillate: ~200 bpd; Naphtha: ~63 bpd. Full technical documentation available. Unit can be purchased with real estate (Lake Charles, LA location) and SMR Syngas Plant #542 and Fischer Tropsch GTL Plant #543 for operation in place.

Products

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

For more
information contact

Edward Zhang, Plant Sales
plants@phxequip.com
+1 732.520.2187 (Direct Dial)
+1 845.242.3378 (Mobile)

To discuss plants
you are selling

Jesse Spector
plants@phxequip.com
+1 732.709.7157 (Direct Dial)
+1 908.902.8854 (Mobile)