



Recycled Oil Refinery – 2,300 BPD

Capacity: 2,300 BPD

Raw Materials: Waste engine oil

Process Information

Designed to refine waste engine oil to produce base oil, white oil and other products.

Brief Plant Description

Unused mini refinery designed to process up to 1,700 BPD of recycled oil to produce base oil, white oil and other products such as asphalt flux and ultra-low sulfur diesel. The base oil and white oil products are the raw materials to produce lubricants. The refinery includes three process units: (1) Preflash atmosphere distillation, (2) vacuum distillation unit, (3) hydrofinishing unit. The plant is partially installed. Most equipment is still in storage. All the equipment is never used.

Major Equipment

- Preflash column (50 psig @500°F, SA516, 470" L x 84" ID)
- Vacuum deasfaltering column (50 psig @764°F, SA516, 1629" L x 186" Dia)
- HLF stripper (50 psig @692°F, SA516, 937" L x 43.5" ID)
- Hydrofinishing reactor #1 (2370 psig @750°F, SA387, 950" L x 42" ID)
- Hydrofinishing reactor #2 (2285 psig @780°F)
- Stripper (90 psig @720°F, SA516, 514" L x 60" ID)
- Amine absorber (2235 psig @400°F, SA516, 474" L x 58" Dia)
- Amine regenerator (50 psig @337°F, SA240, 487" L x 19" ID)
- Dryer (50 psig @700°F, material SA516, 289" L x 30" ID)
- Hydrogen recycle and make-up compressor
- Furnace (Feed Heater) 11.47 MMBTU/hr

**For more
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