

# Chem32

## THIOCAT CATALYST PREATIVATION TECHNOLOGY

Which THIOCAT formulation will work best for your application?

- THIOCAT processing is done at our Orange, TX plant with ZERO volume loss.
  - Ensures maximum activity of your catalyst when compared to pilot plant data.
- THIOCAT processing is performed in a fixed bed setup where ALL catalyst particles see identical sulfiding conditions over a 20-24h residence time.
- **THIOCAT ADVANTAGES IN THE STARTUP PHASE:**
  - Exotherms eliminated.
  - (Sour) water formation eliminated.
  - Heat up rate only limited by the Hydrogen Embrittlement curve.
  - Upsets during startup will NOT damage the preactivated catalyst.
- **CRACKED FEED ISSUES?**
  - **THIOCAT CFT** (Cracked Feed Tolerance) will allow you to start up using cracked feed right from the start, eliminating the 72h break in period with virgin feed as required for freshly sulfided materials.
- **YOU NEED TO LOAD YOUR PREATIVATED CATALYST UNDER AIR?**
  - **THIOCAT AS** (Air Stabilized) will allow you to load your preactivated catalyst under AIR; typically recommended for lighter applications such as NHT and SCOT units.
  - **THIOCAT OS** (Oil Stabilized) will allow for the same as above; recommended for all “heavier” applications. OS results in a non-dusty product.
  - Both Air and Oil stabilization will NOT result in any volume loss.

### **CONTACT CHEM32 LLC IF YOU HAVE ANY FURTHER QUESTIONS:**

**PLANT: 3007 Burnett Street, Orange TX 77630**

**OFFICE: 3730 Kirby Road, Houston TX 77098**

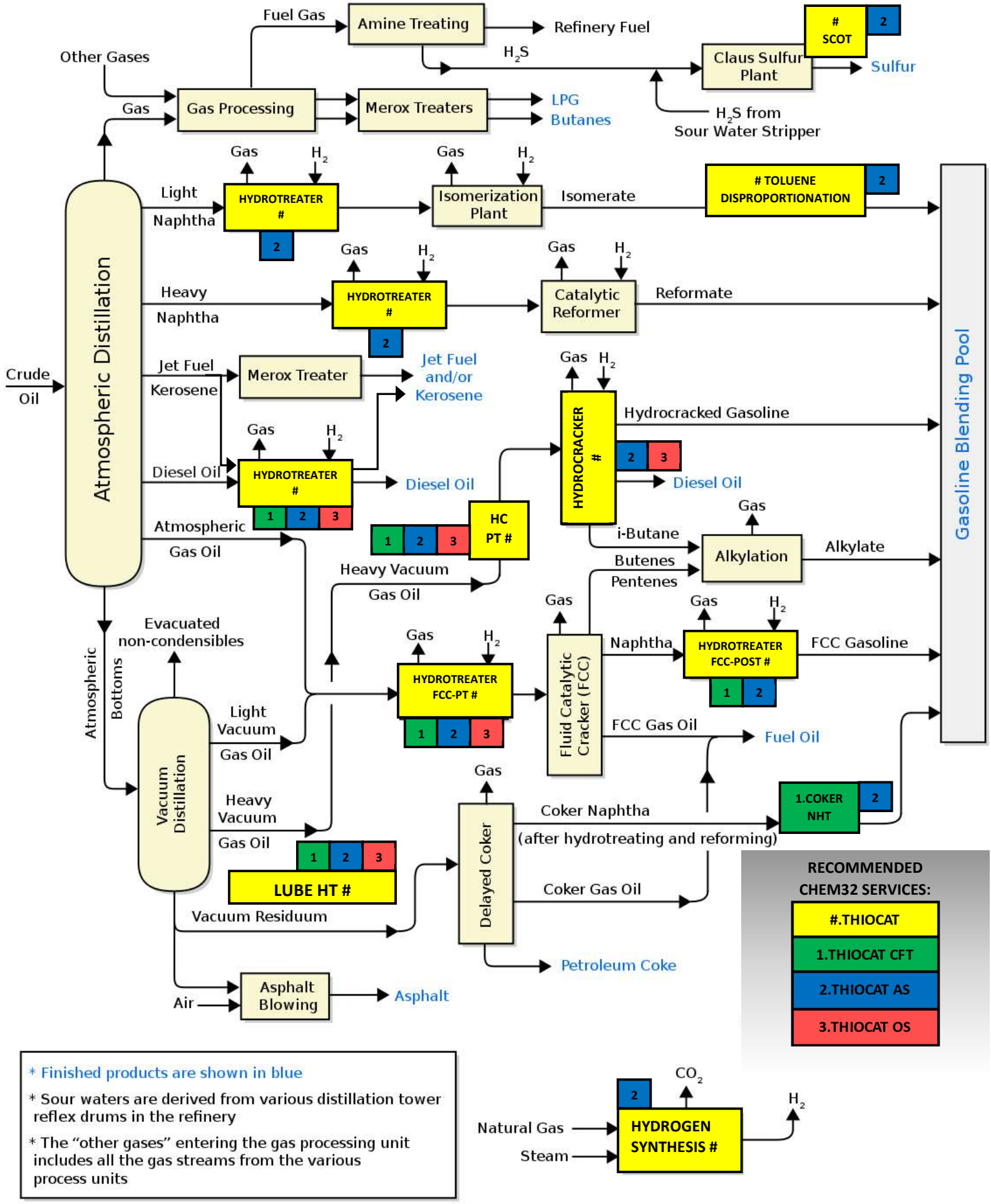
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\* Finished products are shown in blue

\* Sour waters are derived from various distillation tower reflex drums in the refinery

\* The "other gases" entering the gas processing unit includes all the gas streams from the various process units

**RECOMMENDED CHEM32 SERVICES:**

- #.THIOCAT
- 1.THIOCAT CFT
- 2.THIOCAT AS
- 3.THIOCAT OS