

Alchemia sludge removal services eliminate 297 tons of catalyst fines from online tank, avoids downtime, and saves \$400K in reprocessing costs

CHALLENGES

- Eight feet of catalyst fines reduced storage capacity in heavy fuel oil (HFO) tank
- High levels of catalyst fines carryover reduced quality and value of marketable HFO
- Conventional cleaning methods were difficult and expensive to implement, requiring shutdown of FCC unit and multiple temporary storage tanks

SOLUTION

The [Alchemia™ sludge removal](#) was selected to remove catalyst fines, without cutting a door sheet, with features including:

- Unit-specific cleaning procedures developed with the tank owner
- Proven chemical cleaning products that remove and centrifuge fines and return clean HFO back to the tank
- Environmentally sound waste processing procedures to allow safe disposal of recovered fines

RESULTS

\$400K

saved by replacing conventional catalyst fines removal methods

297 tons

of catalyst fines removed to minimize carryover into HFO product

Seven days

required to remove catalyst fines, a significant time savings over conventional methods

“Our Alchemia sludge removal services efficiently eliminated catalyst fines without taking the FCC unit and tank offline, while avoiding the excessive costs of temporary storage and HFO reprocessing.”

– Joseph Chaluisan
Sr. Sales Manager OIC