

Phoenix System - Heavy Fuel Oil Sludge Cleaning

Brain Associates was awarded the contract to Clean and gas free one of the oil tanks owned by Falmouth Oil Services. The reason why the contract was awarded to BAL was due to the experience dealing with Heavy Fuel Oil and the innovative system that they have introduced into the market place.

The cleaning operations were undertaken over a number of phases once the sites pumps had reached low suction and were operationally beyond limits.

Product Phase

The first phase involved pumping down product below low suction which was passed through the Phoenix system to screen and remove solids. The screened product was then pumped back as stock for the client.

Sludge Phase

Once the product pumping phase was completed the sludge removal phase started. The phoenix system was used in as a loop through system to remove solids from the sludge phase. This allowed the sludge phase which still had a thermal value to be used as a waste product and therefore proved to be cost neutral.

Grit Phase

Once the sludge phase is passed the grit is removed from the tank leaving minimal amounts of oil phase in the bottom.

Cleaning Phase

Non man entry wash heads are then used to clean the remaining surfaces to a clean and gas free standard

Key Services Provided

- Product screened and returned to the client
- **£400k savings on some projects**
- Waste Sludge turned into a Cost Neutral product
- Waste Disposal Minimized
- Experienced
- Professionally Certified
- Intelligent Solutions
- Reduced Man Entry

