

CASE STUDY

Removal of Varnish Deposits at a Petrochemical Plant

Fluitec's ESP III and DECON help reduce high bearing temperatures and deposits

LEARN MORE

Removal of Varnish Deposits at a Petrochemical Plant

TOTAL SAVED
\$228K



CLIENT: Petrochemical Plant

COUNTRY: China

APPLICATION: Air compressor

COST SAVINGS: \$228,000

OIL SAVINGS: 1,500 gals / 5,678 liters

SOLUTION: ESP

PROBLEM

In a petrochemical plant in China, visual varnish deposits were reported on the thrust bearings and gear system of an air compressor which was driven by a turbine. High bearing temperatures were also noticed on this air compressor. The MPC levels were outside of the normal range at 40 indicating that a shutdown would be imminent.

SOLUTION

Fluitec's **ESP** unit was installed on site

RESULTS

- MPC values normalized and after the first two months the values were within the range of 15.
- Within two years of the ESP unit being installed, the thrust bearing pads appeared clean and were free of any deposits.
- Bearing temperatures have also decreased drastically

