Major Gas Processor — Hot Oil System

Cleaned by Spinner II® Oil Cleaning Centrifuge

Spinner II® Profit Builder No. 100

Helpful Sales Tools for Representatives of Spinner II Products

Xtreme Cleaning™

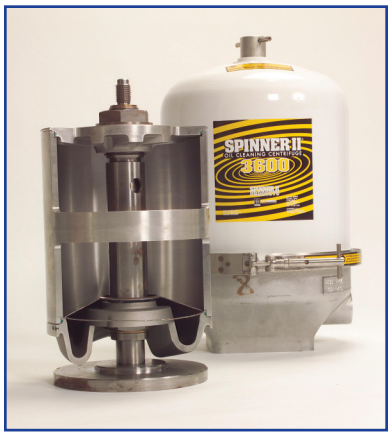
Scenario

In West Texas, a gas processor uses a specially-treated, high-temperature lube oil for pre-heating natural gas. In the past, the maintenance crew used traditional "5 to 15 micron" disposable media filter elements to trap some of the coked solids resulting from the 350°F process temperature in this 50,000 gallon system.

Despite repetitive and time-consuming filter change-outs, total solids in the oil kept climbing, and eventually exceeded 3%. This high solids level meant more frequent filter change-outs.

Solution

A Spinner II Industrial Distributor in Odessa, TX, contacted the plant and suggested that the staff apply a Spinner II Model 3600 oil cleaning centrifuge. A single gravity-drain unit was installed as shown in the circuit schematic below. The Spinner II centrifuge trapped so much dirt over a short interval that another Model 3600 was soon added.



Results

After a formal review of centrifuge performance, all three media filter housings were completely removed from the circuit. This change eliminated annual replacement of 2,274 filter elements, with a direct cost savings of over $32,300, including filters, 3,850 gallons of lost oil and 172 labor hours. The current solids readings in the oil have dropped from 3% with the old system down to 1% with the Spinner II centrifuges in place.

Questions about this centrifuge application? Please contact Spinner II Products.