

SPINNER II[®] PROFIT BUILDER

You'll Be Dollars Ahead

A Newsletter on Money-Saving Ideas From
Spinner II Products / T.F. Hudgins, Incorporated

P.O. Box 920946 • Houston, Texas 77292-0946 • 713/682-3651

GAS PRODUCTION

PB No. 100

Major Gas Processor — Hot Oil System Cleaned by Spinner II[®] Oil Cleaning Centrifuge

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 μm " disposable media filter elements to trap some of the coked solids resulting from the 350°F process temperature in this 50000 gallon system.

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

A Spinner II Industrial Distributor in Odessa, TX, Compressor Components, contacted the plant and suggested that the staff apply a single Spinner II Model 600 Oil Cleaning

Centrifuge. A single gravity-drain unit was installed as shown in the circuit schematic below, and trapped so much dirt over so short an interval, that another Model 600 was soon added.

After a formal review of the centrifuge performance, all three media filter housings were completely removed from the circuit. This change eliminated annual replacement of 2274 filter elements, with a direct cost savings of over \$32,300, including filters, 3850 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 centrifuges in place.

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

