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 COMPRESSION **PB No. 109**

Frequent Filter Changes On Compression Engines — Centrifuge Takes Up the Slack

Gas Transmission Pipelines use large integral compression engines to boost pressure along the pipeline and keep the gas moving to the customers. These are gas-fueled high-horsepower engines that typically operate at 250 to 400 rpm and even though the fuel is clean, the combustion process in these compression engines is really quite dirty, dumping pounds of carbon, soot and wear debris into the lube oil.

Far up north, in British Columbia, where nature has planted a whole lot of gas in the ground, one pipeline runs a large group of Ingersoll Rand KVS 412's. Typically, the pipeline service staff will shut down a compressor every two months so they can dismantle the lube filter housing, remove the clogged elements, and replace them. Servicing these filters costs over $1100 and requires special disposal of spent filters.

After a technical review by the Spinner II Distributor from Edmonton, Alberta, the station superintendent decided to install two Model 600 HD centrifuges to control the dirt load on this engine lube oil; so much debris was collected in the centrifuges that service contact was reduced to just once a year!

He's pleased to avoid the $5500 in filter costs annually and is now exploring application of the same equipment to other compression engines at the same gas plant.

Wherever and whenever a centrifuge is applied on systems that involve filter changeout on reaching a differential pressure, filter life will be extended.

There's also a hidden bonus, in that use of the Spinner II centrifuge traps dirt & wear debris filters simply cannot remove, so major wear parts like rings, cams and bearings maintain capability longer.