SPINNER II® PROFIT BUILDER

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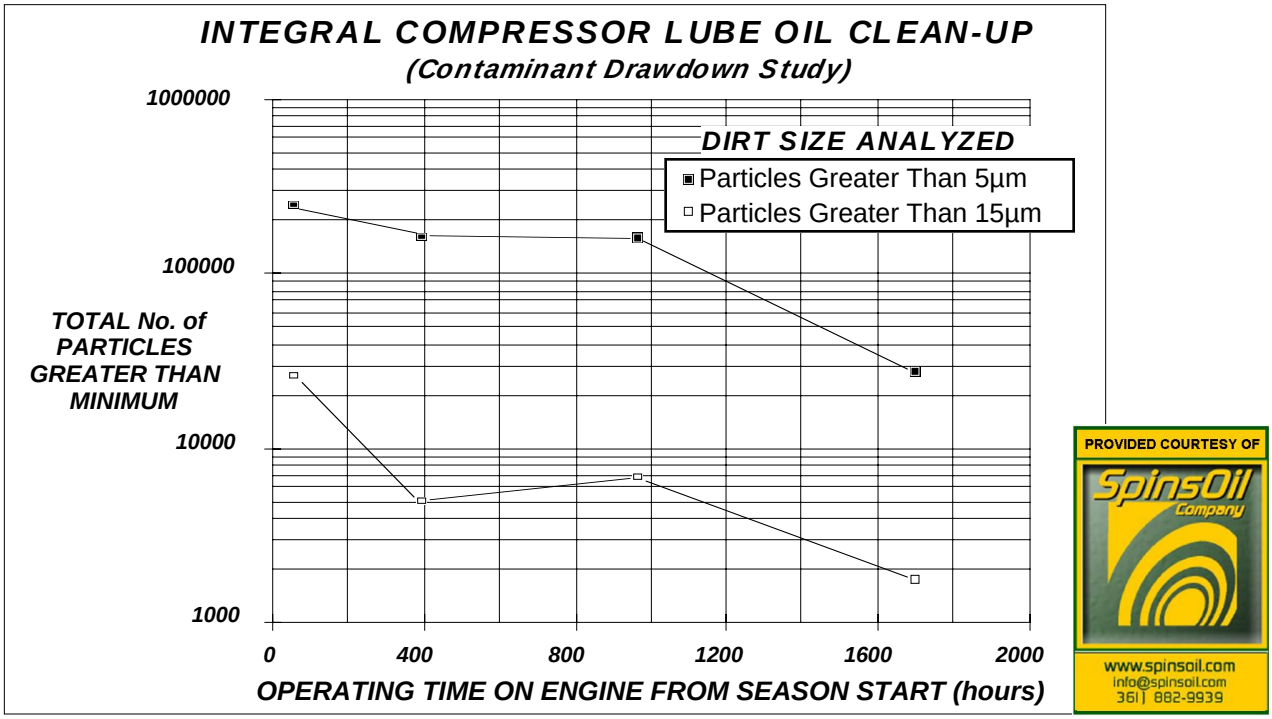
A Newsletter on Money-Saving Ideas From
Spinner II Products / T.F. Hudgins, Incorporated
P.O. Box 920946 • Houston, Texas 77292-0946 • 713/682-3651 GAS TRANSMISSION **PB No. 106**

Contaminant Drawdown Test Replicated in the Field Spinner II® Oil Cleaning Centrifuge Traps Dirt

A twin centrifuge arrangement installed on an Ingersoll-Rand 12TVR integral engine compressor, was matched with an OEM-standard paper media full-flow element style lube oil filtration (ß28 = 75). This engine is used for gas compression at an underground storage facility in Texas. With the two large centrifuges rated at 32 gpm, the engine oil sump volume is processed 7.5x per hour through the centrifuges. Using the sample re-suspension method, used oil samples were particle counted.

A filter drawdown test monitors contaminant changes in a closed system as a filter operates. For this field installation, the oil starts out dirty from the previous season's operation. As the lube-powered centrifuge spins up to speed, cycling the engine lube oil and trapping dirt, large amounts of debris are removed (55 pounds in 1500 hours); not only does debris come from the lube oil, and as the oil solids concentration diminishes, more dirt also dissolves off internal engine surfaces.

By 1700 hours of operation, the pair of centrifuges had lowered the lube oil particle count to a level significantly cleaner than ever achieved by cellulose media alone. The centrifuge converts wasted lube circuit energy into a powerful tool for removing wear-causing debris. For more information on the centrifuge or the CS Oil Cleaning System (no disposables!), contact T. F. Hudgins, Incorporated.



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