Spinner II® Profit Builder No. 208

Helpful Sales Tools for Representatives of Spinner II Products

Xtreme Cleaning™

Centrifuge Protects Mine Machinery from Metal Debris



Spinner II® Centrifuges Save More Than Oil and Filters

Scenario

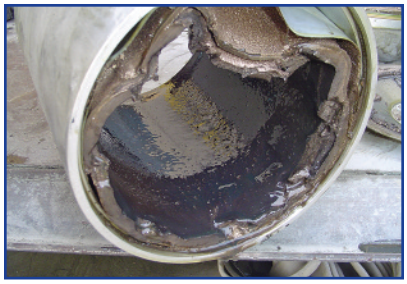
Spinner II centrifuges are used extensively in an Arizona copper mine. Currently 28 Spinner II Model 3600 centrifuges with pumps and motors are installed on all secondary crushers, tertiary crushers and hydrosets.

The centrifuges were initially installed to control excessive amounts of solid particulate in the oil. Differential pressure readings and oil analysis had confirmed that copper, lead, lead-tin, and iron were well past acceptable levels. As a consequence, oil and full-flow filter elements were being changed every week. After installing Spinner II centrifuges, service intervals have been extended past two months, saving the costs of labor, filter elements and 220 gallons of oil per crusher.

Although uniquely effective in removing fine particles smaller than one micron, Spinner II centrifuges also guard against large particles and extremely high volumes of debris that can cause catastrophic damage to machinery. A recent incident illustrates the value of this added protection.



Spinner II Centrifuge mounted on crusher



Centrifuge rotor filled with contaminants



Close-up of debris shows large amounts of bronze

Solution

Spinner II Products distributor Ramon Valenzuela of DC Distributors worked with the mine on the purchase and installation of the centrifuge systems. He also provides periodic inspection and routine service to assure the systems continue to operate at peak performance.

On a recent service call, Valenzuela discovered one centrifuge had removed almost 10 pounds of material - an extremely high volume for a typical service interval. Further investigation revealed that a bronze bushing had been replaced on this crusher and large amounts of bronze from the old bushing had been inadvertently trapped in the oil line.

Results

The Spinner II centrifuge removed all of the bronze trapped in the oil line, preventing potentially serious damage to pumps, motors and the newly replaced bushings.

Spinner II centrifuges are clearly saving mine owners time and money on maintenance. They are also protecting valuable equipment against catastrophic damage from unforeseen contaminants in the oil.

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

SPINNER II® PRODUCTS

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