

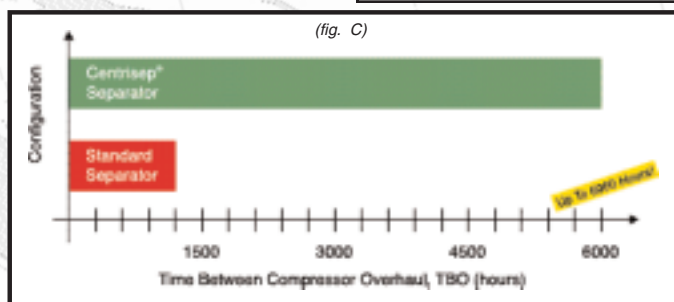
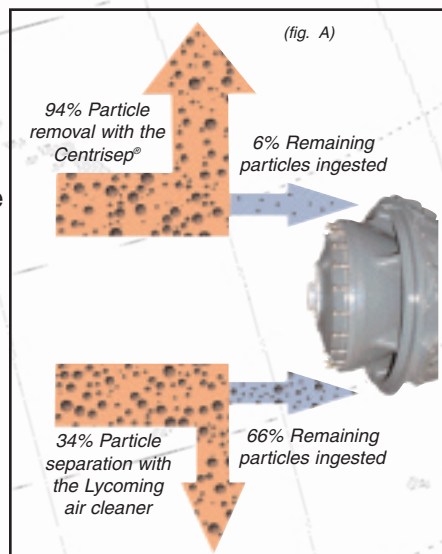
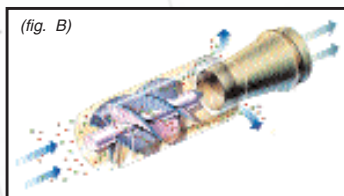
# CENTRISEP

## CENTRISEP PARTICLE SEPARATOR

In order to stay competitive in aviation today, the issue of cost control is becoming increasingly important. Very few corners can be cut without affecting safety. One device, however, that can save substantial amounts of money safely is the Centrisep® Particle Separator. The "swirltube" technology increases the separation efficiency from the 34% of the Lycoming air filter to an astonishing 94% (fig. B). Field experience has shown the compressor life to be extended 3.5 to 5 times over those engines fitted with the standard separator (fig. C). In fact, break-even calculations reveal that the Centrisep® will pay for itself after only 770 hours. For many operators, that will happen within one year. After the first year, the separator will continue saving tens of thousands of dollars with every avoided compressor re-blade.

### OPERATING PRINCIPLE:

The basic functional element of the Centrisep® Particle Separator is quite simple. Incoming air, laden with dirt particles, enters the vortex tube and is made to swirl through the vortex generator (fig. A). Dirt particles are centrifuged to the wall of the vortex tube and swept into the scavenge space where they exit at the rear of the air cleaner. The remaining clean air from the center of the tube flows through the outlet tube and to the engine.



### Heli-Conversions

specializes in the R&D, production, FAA certification, worldwide marketing, and support of "aftermarket" improvements for the Bell 205/UH-1 series helicopter. All improvements are based on more than 25 years of operational experience, ensuring increased profitability and enhanced safety.

## STCs

SH4305NM	Centrisep® Particle Separator
SH89-22	
SH2394NM	-17A or -17B Engine
SH89-21	
SH5132NM	212 Rotor Blades
SH91-38	
SH5976NM	-17A or -17B Engine/212 Rotor Blades
SH95-12	
SH5977NM	-17A or -17B Engine/212-9 Pax
SH95-13	
SH5797NM	T53-HC Engine Wash Kit
SH94-6	
SH5122NM	EGT/MGT Indicator (Cycle Counter)
SH91-37	
SH2692NM	Dual Electric Boost Pump
SH90-29	
SH4775NM	Manual Start Fuel Switch
SH90-15	
SH2691NM	Vertical Reference Door
Pending	Left Hand Pilot In Command
Pending	Fuel Recovery System



Heli-Conversions

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