

Superior Cylinder, SL36006WA1E, Cracked, ATA 8530

(This repair station report references a Piper PA28-180 with a Lycoming O360A4M engine.)

"During an Annual compression test this cylinder was found to have no compression," says a mechanic. "Upon further investigation, air was found leaking from the back of the cylinder assembly at the point where the fins step up to the next size. With an inspection mirror held between the baffling and the back of the cylinder, a crack could be seen. (I) removed the cylinder from the engine and found this crack started at the top spark plug hole, continuing towards the back of the cylinder, and down and through the exhaust valve seat to the rear exhaust mounting stud. This Superior Air Parts cylinder was installed new in February 2005. AD 2007-04-19R1 deals with cracks at the barrel/head in cylinder assemblies manufactured between April and November of 2005. Maybe this AD should be expanded to include these assemblies.

"Other cylinder markings include an etching number E36-14165, and a casting number SLC-36005."

Part Total Time: 1,533.0 hours