

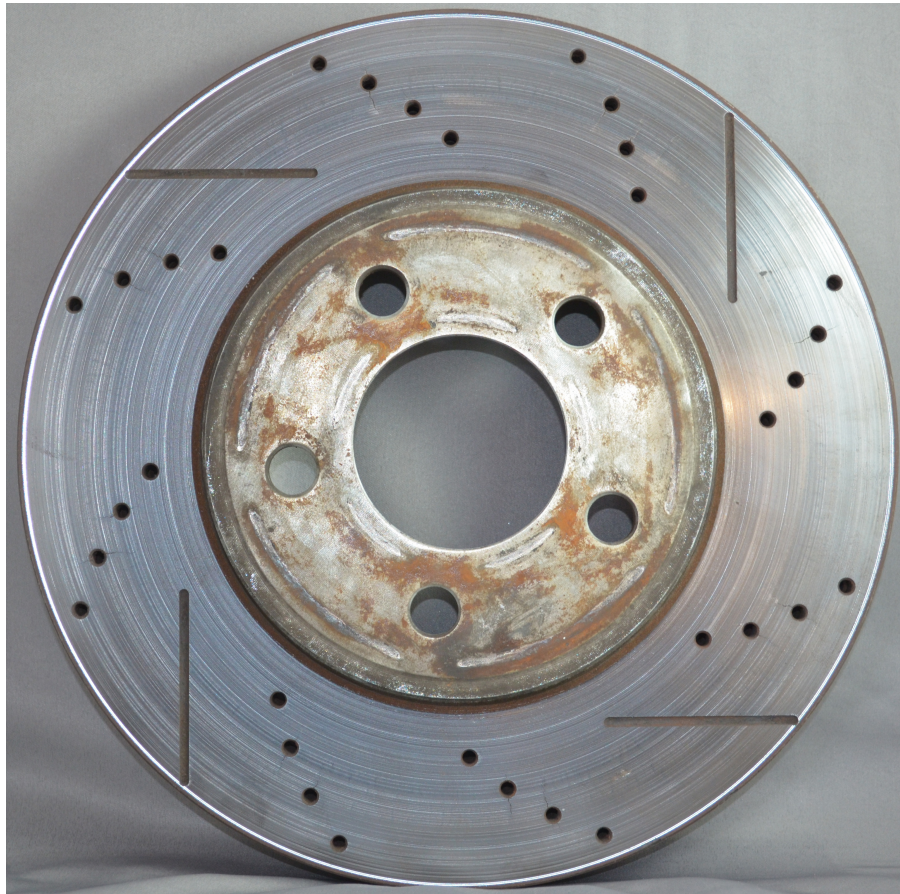
Subject: 80,000 Mile Rotor in Police Service

Date Issued: February 15, 2012

Subject: Actual Use Results, Ford Crown Vic Rotor #54103 DS L & R

Summary:

An officer who consistently experienced 3,500 to 5000 miles between rotor changes drove 80,000 miles with our treated rotors. There were no changes in the officer's duties or routines.



Rotor With Over 80,000 Miles

The Facts

The subject rotor was brought to our booth at the 2011 Copswest trade show by the officer* whose car it had been installed on. This officer's duties involved his coverage of a large territory and his immediate presence at incident sites. This made it necessary for him to travel long distances at high speeds. Agency maintenance records indicate that his normal interval between brake changes was 3,500 to 5000.

This particular officer's driving skills are highly respected by his superiors and maintenance personnel. He was skeptical of our products at first due to his experience with "super" brakes in the past. He reported that the brake feel of our rotors and pad combination was exceptional. After getting over four times the life on his squad car he equipped his wife's personal vehicle with our product. The picture above shows the brake rotor as it was removed from the car after 80,000 miles.

*We will release the identity of the agency to qualified government sector agencies upon request.

The rotor was machined twice. As you can see by the picture below, there is some cracking at the holes and superficial cracking to the surface. The final thickness of the rotor is 1.079 inches, which is well within allowable limits for re-use.



The Economics

This set of two rotors replaced at least thirty two rotors that would have been used. The four sets of pads that were used on it replaced at least sixteen sets of pads. The rotor price was less than 1.4 times the cost of what the agency was spending for the rotors that they were purchasing before. There was also considerable labor savings.

Even we were surprised by the extraordinary and exceptional results here. Our goal was to give this agency three to four times the life.

	Previous Rotor/Pad	CTP Rotor/Pad
Rotors		
Manufacturer	AC Delco	CTP
Part Number	18A1253 & 18A1252	54003 DSR & DSL
Features	Drilled & Slotted	Drilled, Slotted, Treated By CTP
Change Interval	3,500 to 5000 miles	Greater than 80,000
Minimum Rotor Thickness	1.037	1.037
Initial Rotor Thickness	1.100	1.100
Final Rotor Thickness	Below Minimum Usable	1.079
Usable Rotor Left	None	0.042
Pads		
Manufacturer	AC Delco	CTP
Part Number	17D931MHPV	D931 S CTP
Change Interval	3,500 to 5,000 miles	Greater than 25,000 miles
Pad thickness, Initial	0.654 inches	0.654 inches
Pad material Left at Change	None Usable	.268 inches
% Of pad left	Less than 10%	41%

Our products are high quality rotors made of J431G3000 cast iron. They are made QS 9000, ISO 9002, TUV, and TS16949 certified. All rotors are consistent with OEM standards. They are balanced and installation ready.