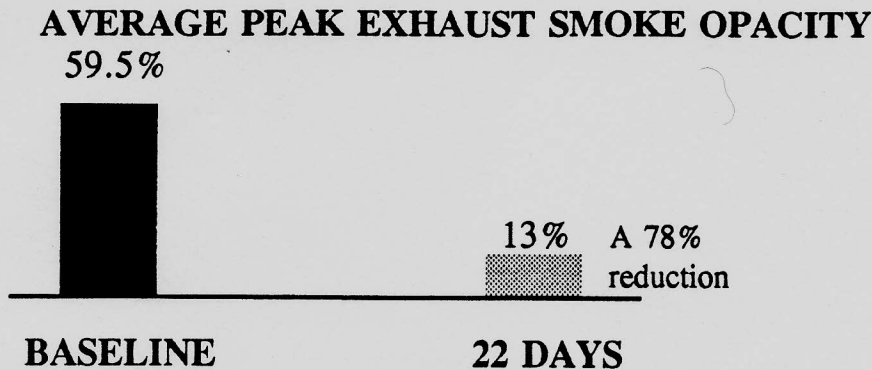


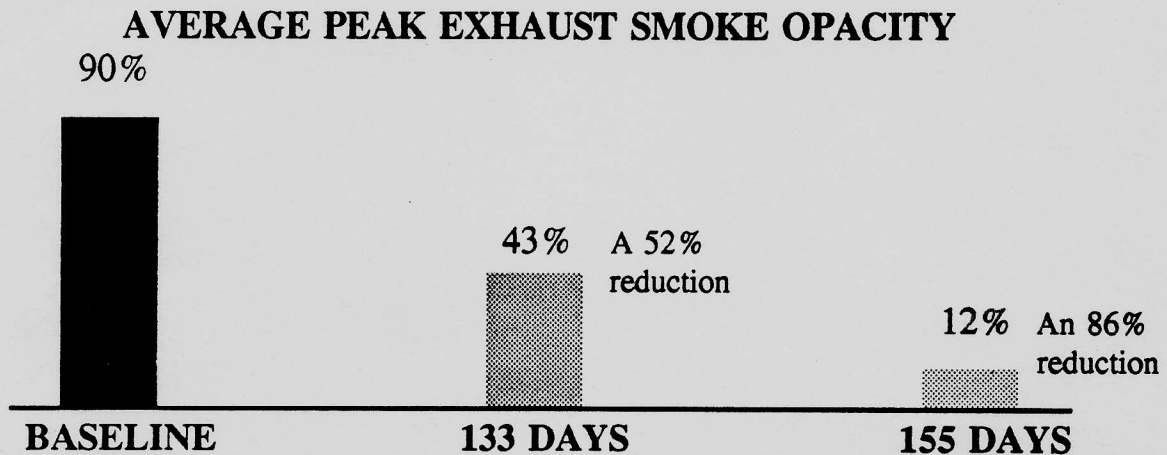
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## SMOKE OPACITY TESTS OF OMSTAR D-1280X<sup>®</sup> IN THE FUEL OF CHANDLER FIRE DEPARTMENT DIESEL TRUCKS

**Summary of test results.** Seven fire trucks of the Chandler, Arizona, Fire Department were tested (snap idle test) in 1990 for peak exhaust smoke opacity, with and without ("Baseline") Omstar D-1280X<sup>®</sup> in the fuel. A Wager Model 650 Smoke Opacity Meter was used. Final tests were made by the State of Arizona. (All trucks passed the Yearly Emission Test.). Six trucks used D-1280X<sup>®</sup> for 22 days:



One "heavy smoker" truck had a test period of 155 days, with these results:



**Test supervisor:** William (Bart) Beckwith, Fire Chief.

**Omstar D-1280X<sup>®</sup>:** Omstar D-1280X<sup>®</sup>, Dr. M. Z. Fainman's patented conditioner, contains an expensive, low molecular weight, synthetic ester solvent that cleans and lubricates dirty fuel injectors and other internal engine parts. It also contains a specially designed, heavy molecular weight "penta" synthetic ester which, in the patented "chemisorption" process, increases lubricity because molecules of D-1280X<sup>®</sup> become chemisorbed, or bonded, to the metal rubbing surfaces in injectors and inside the cylinder. Engine performance and fuel economy improve with time, and air pollution decreases, as more and more of the molecules become bonded to metal rubbing surfaces. The 133-day and 155-day tests illustrate that effect.

