REDUCED COMBUSTION CHAMBER DEPOSITS

In the tests on ORI, in Fords with 2.3 liter carburetted engines, the piston tops shown at the right were from an engine burning untreated fuel. These unretouched photos reveal the darker, heavier deposits.

Combustion chamber deposits are recognized as the primary cause of ORI. Excessive ORI causes annoying and sometimes harmful knock in engines without knock sensors and loss of performance in engines with knock sensors.

UNTREATED





TREATED



In the same test series, the piston tops shown at the left were from an identical engine burning fuel treated with DurAlt® Fuel Conditioner (FC). Note the lighter deposits which led to an ORI that was lower by 67% than the engine shown at the far left.

Recently some refiners have claimed lower ORI due to their special detergent gasoline, but detergents work primarily on the intake system. It is the combustion chamber where the deposits are the major cause of ORI.









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