

# NTZ Micro Filtration

## NEWS RELEASE

### **HILLSDALE COUNTY SHERIFF'S OFFICE FINDS CREATIVE COST SAVINGS IDEA FOR GOING GREEN WITH FLEET**

**Wixom, Michigan, May 19, 2009** – A three month study has just been concluded with the cooperation of Hillsdale County Undersheriff J.J. Hodshire, to determine if vehicle fleet maintenance costs could be reduced. Not only was it proven that costs could be reduced, but there was an environmental benefit realized also.

During the study, a NTZ engine filter was installed on one of the county's Ford Crown Victoria vehicles to see if the current 3,000 mile oil change interval could be doubled. By doing so, the county would save much needed budget dollars on oil purchases, maintenance hours and oil disposal costs. 50% less oil would be consumed and, therefore, the volume of environmental waste would be reduced.

At the same time, a vehicle *without* NTZ filtration was tracked and oil samples were collected and sent off to a third party lab for testing. After 3,834 miles the vehicle *without* filtration had already reached a documented oil condition of being excessively contaminated (ISO 26/23/14). However, after a 6,500 mile period, the vehicle equipped with the NTZ filter had engine oil that was cleaner than new condition (ISO 17/15/13). The independent lab oil reports provided the county with full confidence that oil changes can be extended without any concerns.

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Most importantly, according to the Society of Automotive Engineers (SAE paper #881825), “the level of filtration in an engine can have a significant impact on wear rates due to abrasive particles. Wear can be reduced by as much as 70% by going from a 40 micron filter to a 15 micron filter.” The NTZ filter utilized in this case study was a 2 micron filter. This translates into longer vehicle life.

As cities, counties and states are continually faced with budget reductions, the NTZ product can help meet the challenges of maintaining fleets in a safe, reliable condition. Additionally, since it is a universal filter, it can be removed when fleets reached their useful life and added to the updated fleet, eliminating any future investment costs.

The NTZ bypass filter is a patented product that is easily installed on any engine type and requires only a simple element change at predetermined intervals to maintain a superior cleanliness level.

NTZ Micro Filtration is a recognized leader in the development and manufacturing of micro filtration technology for automotive, wind energy, industrial, and aftermarket applications. Located in Wixom, Michigan the company is ISO/TS 16949, ISO 9001, and ISO 14001 certified. For more information about the NTZ engine filter or this study, contact us directly at 248.449-8700.

*“It was concluded that the NTZ high efficient filter system was able to extend the oil service life by a minimum of 100% resulting in a 50% saving on costs and a 50% reduction in environmental waste product.”*

