

# Customer Testimonial



## Monolec® Ultra-Blend Engine Oil (8130)

### Large Township Garage – Pennsylvania

### Police and Service Vehicles

- Reduced oil drain intervals
- Trip spark plug life
- Eliminated engine rebuilds

#### Customer Profile

A Large Township Garage in Pennsylvania services the fourth largest municipality in the Pittsburgh area. They have been an LE customer since 1989.

#### Application

The Township operates seven Ford Crown Victoria police cars with 4.6 liter engines, and 24 GMC, Chevrolet and Ford service trucks and dump trucks. All vehicles are serviced in the municipal garage.

#### Challenge

The police cars were previously using a popular commercial quality 10W-40 engine oil. They were also using this same commercial brand lubricant in an 85W-140 gear oil, NLGI #1 grade chassis grease and automatic transmission fluid. The maintenance practice was to change the engine oil every 3,500 miles. During the 3,500 miles, each police car consumed 2-1/2 quarts of makeup oil. The Township traded the cars every 90,000 miles while using the commercial quality oil. Maintenance personnel noticed the engines were very dirty and appeared to have oil leaks developing. Occasionally an engine would require rebuilding.

#### Solution

The police cars operate 24 hours a day, idling much of the time, especially in the winter months. The municipal garage used Monolec Ultra® Engine Oil (8800) 15W-40 from 1987 until 1994. In early 1995, the Township desired a lower viscosity engine oil and switched to Monolec® Ultra-Blend Engine Oil (8130) 10W-30. The oil drain intervals have been reduced from 7,500 miles on LE's 8800 to 4,500 miles on LE's 8130. One makeup quart of Monolec 8130 is used in 4,500 miles. Since so many cars idle excessively, and idle time can't be logged, the drain interval was reduced to 4,500 miles for peace of mind.

#### Results

Since switching to LE engine oils, spark plug life has tripled and maintenance personnel have noted very clean engines with little or no leaking. Even when utilizing the 7,500 mile drain interval, no engine ever required rebuilding.

#### Other Products Used

Monolec® Power Fluid (7500) has been performing well in the police cruisers for years and was recently implemented into the Ford pickups which are used to plow snow. The truck transmissions were failing prematurely and hopefully, Monolec 7500 will significantly extend the life of these units.

Another LE product utilized by the Township is L-X® Heavy-Duty Chemical Supplement (2300). They use this fuel supplement as recommended, adding one ounce per gallon of gasoline every 1,000 miles. Maintenance personnel say L-X is a great fuel injector cleaner. The latest product to be added to the LE line of products used is Monolec® Gear Lubricant (704) 85W-140. This product is recommended for differentials and transmissions in over-the-road and stop-and-go fleets. The Township is using Monolec 704 in truck differentials and manual transmissions.

The Township maintenance superintendent states, "LE products have really helped me do my job. Sure the initial price of the oil is higher, but the increase in equipment life and decrease in downtime has proven LE to be the least expensive way to operate the vehicles I am responsible for. We have eliminated routine maintenance problems altogether."

*Thank you to the Township personnel, and to Larry Boyle, LE lubrication consultant (pictured), for providing the information used in this report.*





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