

8800 MONOLEC ULTRA[®] ENGINE OIL
FEDERAL BUREAU OF INVESTIGATION (FBI), Las Vegas, NV
Mixed Gasoline Vehicle Fleet • SIC 9190 Federal Government

CUSTOMER PROFILE

The Federal Bureau of Investigation (FBI) is a Federal law enforcement agency . The service center in Las Vegas, NV services both Utah and Nevada. They have been an LE customer since 1993.

APPLICATION

The FBI has a mixed fleet of 137 1990-1998 Ford, Chrysler and GM series vehicles with both V-8 and V-6 gasoline engines. The FBI fleet of vehicles is subjected to the demands created by making long distance runs in a hot and arid climate. They must also perform in brutal stop-and-go driving conditions, and are subjected to frequent long periods of idle time which can gum up and diminish engine performance. It should be noted that the range of service conditions in Nevada and the surrounding area is rigorous! Summertime temperatures can soar just past 110°F and dust can be found everywhere! Driving in mountainous winter conditions subjects the vehicle to extreme cold, snow and slush.

AREA OF INTEREST

While using a competitive engine oil,

- ◆ **Significant drop in the temperatures of the engines**
- ◆ **Drain intervals were extended 2 1/2 times.**

many of the engines on both the Fords and Chryslers were running hot while on the road. The FBI was also interested in safely extending the drain intervals.

LE SOLUTION

In 1993, the local LE Representative recommended LE's 8800 MONOLEC ULTRA Engine Oil to Harold Dobson, Chief Mechanic. LE's 8800 is made for heavy-duty, long-drain service in diesel and gasoline engines. It improves fuel efficiency, reduces wear and provides all-season, all-weather performance. It is made from select paraffinic base oils and contains MONOLEC[®], LE's exclusive wear-reducing additive.

CUSTOMER COST SAVINGS

Upon initial change to LE's 8800, Harold Dobson noted a significant drop in the temperatures of the engines and the drain intervals were extended 2 1/2 times. Waste oil has been reduced as well as consumption.

While traveling from California back to Las Vegas, NV, in vehicle LV33, a freeze plug was lost resulting in total loss of critical engine coolant. Without coolant, the engine overheated and eventually created sufficient internal pressures to blow the head gasket. The car traveled an approximate 100 miles further at highway speed before it quit running. Had a competitive engine oil been in service, it is likely the entire engine would have been lost at great expense to the FBI. However, due to the extraordinary abilities of LE's 8800 MONOLEC ULTRA[®] Engine Oil to provide superior wear protection, the engine was not a total loss! The FBI maintenance team was very proud of their decision to use LE's 8800 because when they inspected the engine for damage, it was found that only one piston had melted down to the compression ring and no cylinder wall, main bearing, rod bearing or other damage was found. **Harold Dobson states, "In my 33 years in maintenance, no other oil would have protected and maintained the lubrication performance like LE's 8800 MONOLEC ULTRA Engine Oil."**

OTHER PRODUCTS USED

The FBI also uses LE's 3752 ALMAGARD[®] Vari-Purpose Lubricant in the chassis points and 1107 Automatic Transmission Fluid in the transmissions.

We would like to thank Harold Dobson, Chief Mechanic and the local LE Representative for the information provided to prepare this report.