

**8800 MONOLEC ULTRA® ENGINE OIL
3752 ALMAGARD® VARI-PURPOSE LUBRICANT
CITY OF SAGINAW MOTOR EQUIPMENT GARAGE**

City of Saginaw Motor Equipment Garage • SIC 9199 Local Government

No other brand of petroleum lubricating oil, regardless of price, will be found superior in condition to LE's 8800 at the end of any given period use.

CUSTOMER PROFILE

The City of Saginaw Motor Equipment Garage services the off-road vehicles for the City of Saginaw, Michigan. They have been using LE products since 1999.

APPLICATION

They use a JCB Backhoe Model 215 Series 3 for digging trenches and loading dirt.

AREA OF INTEREST

Mr. Henry Hunter, Garage Foreman was interested in discovering if the City of Saginaw could save money with premium lubricants. Following a demonstration of LE's 3752 Almagard® Vari-Purpose Lubricant and a presentation on 8800 Monolec Ultra® Engine Oil, it was decided that they would give the lubricants an initial trial in their relatively new JCB Backhoe.

LE SOLUTION

The local LE Representative and Henry Hunter carefully reviewed the maintenance manuals and lubrication practices on the JCB Backhoe. They noted that the engine oil and filter change cycle was every 200 hours, and the 22 grease points were to be greased every day when the machine was under constant use. It was originally

expected that the engine oil would last for 600 hours and the grease schedule could be extended to every third day with LE products.

CUSTOMER COST SAVINGS

When it was discovered that the oil filter had not been changed for 492 hours, the oil was drained at 783 hours. A sample was taken and it was sent in for LEAP analysis. The analysis showed the oil would have been good for continued use. When the 8800 was drained it had been in service four times longer than the previous commercial grade oil, almost 200 hours longer than was originally expected.

LE's 3752 Almagard® Vari-Purpose Lubricant also had impressive results. The almost daily greasing was extended beyond the original 3-day estimate to once a week, and there was still grease present. Even at the normal service intervals, the previous commercial grease would harden. The grease would have to be drilled out of the fittings and the zinc fittings would have to be replaced. With the hardened commercial grade grease the pins seized and failed. When one grease zinc fitting was broken off while using LE's 3752, it had to be replaced. However, when the joint was examined there was still a good supply of grease in the pin.

OTHER PRODUCTS USED

5100 Pyroshield® Syn Open Gear Grease aerosol is used for the slide on the bucket end of the JCB Backhoe.

We would like to thank Henry Hunter, Garage Supervisor and LE Lubrication Consultant, Richard Hynes (pictured), for the information provided to prepare this report.

