

7500 MONOLEC® POWER FLUID

MAYBROOK MATERIALS, INC., Maybrook, NY

40 Ton Euclid Rock Truck, Pit Quarry • SIC 1429 Crushed & Broken Stone

CUSTOMER PROFILE

Maybrook Materials, Inc. produces crushed stone and asphalt. They have been an LE customer since 1981.

APPLICATION

In the daily operation of the quarry, Maybrook Materials uses two 40 Ton Euclid rock trucks powered by Detroit V 16 engines and Detroit Diesel Allison transmission.

AREA OF INTEREST

While using a specialty grade lubricant, the trucks were not able to climb the steep grades of the quarry fully loaded. Often loads had to be reduced by 50% in order to make the climb. Drivers complained the transmission was low on oil, and when the mechanic opened the petcock on the oil tank, nothing but foam would come out. Oil filters were becoming so contaminated that they would collapse and the oil would have to be changed every couple of months. The control line hose on the filter would fail a couple of times a year and seals failed frequently. The hot and gummy oil also affected the

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automatic shifting mechanism and the transmissions.

LE SOLUTION

LE's 7500 MONOLEC Power Fluid was recommended for this severe application. As soon as it was installed, the trucks were able to carry a full load up the same grades. No foaming has occurred in over three years, and oil and filters are now changed only once, and in some cases, twice a year. Filters are always in good condition when changed. Hoses and seals are now lasting years, and the transmissions are now operating properly.

CUSTOMER COST SAVINGS

It is difficult to establish the cost of operating the trucks at half capacity, and there was no record made of the number of seals, hoses, filters, and oil used in a year's time. However, here is a breakdown of the cost and labor on replacing parts.

**LUBRICATION
ENGINEERS®, Inc.**

Leaders in Lubricants



Specialty Grade Oil/Two Trucks

Hose cost	\$ 40.00	
2 hrs. labor @ \$35.00/hr	<u>\$ 70.00</u>	
	\$110.00	4 per year = \$440.00
Oil filter change only	\$ 30.00	
1 hr labor @ \$35.00/hr	<u>\$ 35.00</u>	
	\$ 65.00	8 per year = \$520.00
20 gal oil @ \$4.00	\$ 80.00	
Oil filter	\$ 30.00	
2 hrs labor @ \$35.00/hr	<u>\$ 70.00</u>	
	\$180.00	10 per year = <u>\$1800.00</u>
Total:		\$2760.00

LE's 7500 MONOLEC Power Fluid/Two Trucks

20 gal oil	\$230.00	
Oil filter	\$ 30.00	
2 hrs labor @ \$35.00/hr	<u>\$ 70.00</u>	
	\$330.00	4 per year = \$1320.00

Cost savings with LE's 7500 MONOLEC Power Fluid equals \$1440.00 annually, plus Maybrook Materials is able to get full production out of the two 40 Ton Euclid rock trucks.

We wish to thank Ray Sindare, Chief Operator and LE Lubrication Consultant Dave O'Connor for the information provided to prepare this report.



David O'Connor