

# Customer Testimonial



**Monolec® Power Fluid (7500)**

**Almagard® Vari-Purpose Lubricant (3752)**

**Duolec® Vari-Purpose Gear Lubricant (1606)**

**City of San Diego Medical Services – Rural/Metro Corp.**

## **Ambulance Fleet**

- **Reduced costs more than 60 percent**

### **Customer Profile**

City of San Diego Medical Services is operated by Rural/Metro Corporation. They are an ambulance fleet serving the City of San Diego. The fleet consists of 82 vehicles, 56 of which are ambulances. They have been an LE customer since 1998.

### **Application**

Ambulance fleet. 7.3 liter power stroke and 3126 B Caterpillar diesel engines, with Ford E 40D transmissions and Dana 70 differentials.

### **Challenge**

The ambulances are emergency vehicles and are driven very hard between 12 and 24 hours daily in difficult terrain. These ambulances are subjected to heavy shock loads while driving through ditches and drains, and are driven over curbs while in an emergency situation. They operate in temperatures between 40°F (4°C) and 95°F (35°C), in moderate dust and high humidity environments.

The commercial brand of automatic transmission fluid they were previously using, would heat up and foam which would lead to premature transmission failure. The differential gear oil would shear down and thin out, which then would not withstand the normal shock loads these ambulances typically endure.

### **LE Solution**

The local LE lubrication consultant recommended Monolec® Power Fluid (7500) and Duolec® Vari-Purpose



Gear Lubricant (1606) to Duane Ingerson, fleet manager, as a way to correct the problem. Monolec 7500 is higher in viscosity, has better heat transfer, and produces no foam. Duolec 1606 was recommended for the differentials because of its ability to withstand extreme shock loads and its superior water separation capabilities with no foaming. Almagard® Vari-Purpose Lubricant (3752) was recommended for use in the U-joints and chassis points to ensure the grease to not sling off or pound out.



**Results**

LE Products	Location	Before LE		After LE	% Savings
Monolec 7500	Transmission	\$27,167	I N T E R O D U C E D  1998	\$13,587	50%
Duolec 1606	Differential	\$18,948		\$9,978	47%
Total Miles	1,234,390			1,572,214	
	Cost per mile of operation without LE			Cost per mile of operation with LE	
Transmission	\$0.022 per mile			\$0.011 per mile	50%
Differential	\$.015 per mile			\$.008 per mile	46%
Almagard 3752	Competitors Product			Chassis points, king pins, suspension and U-joints	50%

Duane Ingerson states, "I am very satisfied with LE products for their durability and ability to reduce my cost by over 60%. The service of the LE lubrication consultant is the best I have ever had. He monitors my inventory and keeps me supplied with on time deliveries. I never have to worry about whether I have enough product on hand. If I have a question he always has the answer."

**Other LE Products Used**

- 2059 Monolex® Penetrating Oil & Lubricant – on their hood and door latches, key slots, ignition and door locks.



*Duane Ingerson*

*Thank you to Duane Ingerson, fleet manager, and to Chris Warner, LE lubrication consultant, for the information provided for this report.*



*Chris Warner*

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