

7500 MONOLEC® POWER FLUID • 3752 ALMAGARD® VARI-PURPOSE LUBRICANT
605 ALMASOL® VARI-PURPOSE GEAR LUBRICANT

CITY OF SAN DIEGO MEDICAL SERVICES-RURAL/METRO CORP

Ambulance Fleet • SIC 4119 Local Passenger Transportation

CUSTOMER TESTIMONIAL

REDUCED COST BY 60%!

CUSTOMER PROFILE

City of San Diego Medical Services is operated by Rural/Metro Corporation. They are an ambulance fleet service serving the City of San Diego for three years. Their fleet consists of eighty-two vehicles, fifty-six of which are ambulances. They have been an LE customer for two and a half years.



Maintenance facility

APPLICATION

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



Backside of maintenance facility

AREA OF INTEREST

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 are operated in temperatures between 40°F and 95°F, in moderate dust and high humidity environments.

The commercial brand of automatic transmission fluid they were 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.

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LE SOLUTION

The local LE Representative recommended LE's 7500 MONOLEC® Power Fluid and 605 ALMASOL Vari-Purpose Gear Lubricant to Duane Ingerson, Fleet Manager, as a way to correct the problem. LE's 7500 is higher in viscosity, has better heat transfer, and produces no foam. 605 ALMASOL® Vari-Purpose Gear Lubricant was recommended in the differentials because it is able to withstand extreme shock loads and has superior water separation capabilities with no foaming. It was also recommended 3752 ALMAGARD® Vari-Purpose Lubricant be used in the U-joints and chassis points to ensure the grease will not sling out or pound out of.

CUSTOMER COST SAVINGS

LE PRODUCTS	LOCATION	BEFORE LE		AFTER LE	% SAVINGS
7500 MONOLEC Power Fluid	Transmission	\$27,167.00	I N T R O D U C E D	\$13,587.00	50%
605 ALMASOL Vari-Purpose Gear Lubricant	Differential	\$18,948.00		\$9,978.00	47%
Total Miles	1,234,390			1,572,214	
	COST PER MILE OF OPERATION WITHOUT LE			COST PER MILE OF OPERATION WITH LE	
Transmission	\$0.22 per mile			\$.011 per mile	50%
Differential	\$.015 per mile		\$.008 per mile	46%	
3752 ALMAGARD Vari-Purpose Lubricant	Competitors Product		1998	Chassis points, king pins, suspension and u-joints	50%

OTHER PRODUCTS USED

960 Waterless Hand Cleaner Towels – for their hands.
2059 MONOLEX® Penetrating Oil & Lubricant – on their hood and door latches, key slots, ignition and door locks.

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 Representative 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."*



Duane Ingerson

We wish to thank Duane Ingerson, Fleet Manager, and the local LE Representative John Giacchino for information provided to prepare this report.



John Giacchino