

8800 MONOLEC® ULTRA ENGINE OIL

ALTRAN MUNISING, MICHIGAN

Caterpillar 3116s, GM 427s, International 444
SIC 9621—Regulation of transportation programs General Government

LE's 8800 Lasts 12.5 times longer!



CUSTOMER PROFILE

Public transit fleet in Alger County in the central Upper Peninsula of Michigan for more than 20 years; LE customer since 1996.

APPLICATION

- Fleet of small buses carrying more than 60,000 passengers over 300,000 miles annually.
- Caterpillar 3116, International 444 and General Motors engines.
- All types of road surfaces.
- Temperature extremes from -20o F to 75o F.

INTERESTED IN

- Reducing operational and oil disposal costs.

- Extending equipment life.

LE SOLUTION

8800 MONOLEC ULTRA® Engine Oil Designed for service in heavy-duty, long-drain diesel and gasoline engines.

Improves fuel efficiency, reduces wear, provides all-weather performance.

Made from select paraffinic base oils. Contains MONOLEC® LE's exclusive wear-reducing additive.

CUSTOMER COST SAVINGS

ALTRAN was changing commercial grade oil every 6,000 miles in the diesel engines. LE's 8800 is lasting 75,000 miles in the Caterpillar 3116 engine – 12.5 times as long. **LE's LEAP® Oil Analysis Program has proven the long-drain capabilities of 8800 as shown by the analysis results below.**

**LUBRICATION
ENGINEERS®, Inc.**

Leaders in Lubricants



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L170314
99*-06-30

Test Data		VALUES EXPRESSED IN PARTS PER MILLION (PPM) BY WEIGHT																			NON METALLIC			LUBE FLUID DATA				
		WEAR METALS									CONTAMINANT METALS				ADDITIVE METALS						CONTAMINANTS							
DATE	TIME	IRON	CHROMIUM	MOLYBDENUM	ALUMINUM	COPPER	LEAD	TIN	SILVER	NICKEL	VANADIUM	TITANIUM	SILICON	SODIUM	POTASSIUM	BORON	MAGNESIUM	CALCIUM	BARIUM	PHOSPHORUS	ZINC	FUEL %VOL	FUELSOOT %VOL	WATER %VOL	VIS 40 C cst	VIS 100 C cst	TAN TOTAL ACID NO.	TBN TOTAL BASE NO.
SAMP	FLUID																											
REC'D	UNIT																											
0209	5796	11	1	1	4	6	3	0	0	0	0	0	1	0	0	154	1158	293	0	1271	1260	<1	0.02	0	N/A	12.93	7.8	
0216	237280																											
1130	75191	34	5	1	10	20	3	1	0	0	0	0	4	13	0	90	1279	419	0	1205	1618	<1	0.22	0	N/A	13.94	8.1	
1202	229977																											
0925	68709	39	4	1	9	27	3	0	0	0	0	0	4	13	0	81	1500	470	0	1279	1752	<1	0.30	0	N/A	14.24	6.6	
0930	223495																											
0702	58335	42	3	1	8	31	5	0	0	0	0	0	5	15	0	103	1385	431	0	1346	1599	<1	0.83	0	N/A	14.25	7.0	
0709	213121																											
0520	52596	34	3	2	7	36	5	1	0	0	0	0	4	16	0	102	1240	406	0	1236	1422	<1	0.67	0	N/A	14.15	6.8	
0604	207382																											
0405	46456	38	3	2	8	43	4	0	0	0	0	0	4	17	0	128	1457	424	0	1272	1664	<1	0.4	0	N/A	14.60	6.6	
0415	201242																											

COST PER VEHICLE						
Product	Miles	Gallons	\$ per gallon	\$ per change	Changes	Total cost/ per Vehicle
Other oil	6,000	4.5	\$4.00	\$18.00	12.5	\$225.00
8800 ULTRA	75,000	4.5	\$11.35	\$51.08	1	\$51.08
Savings*						\$173.92

* Savings comparison does not include disposal costs for the nearly 52 extra gallons of oil per vehicle ALTRAN didn't need – or the labor time @ \$10.00 per hour for eleven extra oil changes per vehicle. This adds additional savings of over \$60.00 per unit annually.

Terry Viau, ALTRAN maintenance supervisor, said, ***"Since changing to LE's 8800, we have less wear on our vehicles, more time for other preventative maintenance and we're only using two or three quarts of makeup oil in 6,000 miles."***

OTHER LE PRODUCTS AT ALTRAN

- 3752 ALMAGARD® Vari-Purpose Lubricant for all grease applications
- 7500 MONOLEC® Power Fluid in all automatic transmissions, power steering units and lifts
- 703 MONOLEC® Gear Lubricant in all older differentials
- 9921 SYNOLEC® Gear Lubricant in new differentials under extended warranty programs.

We would like to thank ALTRAN Director Rochelle Cotey, Maintenance Supervisor Terry Viau and LE Representative Greg Klang (pictured) for providing the information to prepare this report.

