

8800 MONOLEC ULTRA[®] ENGINE OIL

COX WOOD PRESERVING, Orangeburg, South Carolina

Peterbilt Tractors with CAT C-15 Engines • SIC 2491 Wood Preserving

Safely Extended Oil Drain Intervals to 50,000 Miles

CUSTOMER PROFILE

Cox Wood Preserving is a family-run business specializing in the manufacture and distribution of pressure-treated wood products. They grew from a one plant facility with four employees in 1954 to twelve locations in five states with over 360 employees. They have been an LE customer since 1981.

APPLICATION

The Cox Wood Preserving Co. over the road fleet consists of eight 2005 Peterbilt tractors with CAT C-15 engines. The trucks travel a seven state area delivering finished product and returning with lumber to be treated at the Orangeburg plant. The trucks were serviced by an outside source. In 2005 the service was brought in house.

AREA OF INTEREST

While using an outsourced Maintenance company, the trucks would be out of service when their 12,000 mile oil change was due. Cox decided in November of 2005 that their in house maintenance shop would take over the truck fleet maintenance. This would reduce their maintenance expense and increase the trucks availability to be on the road. Sheckie Summers decided to utilize LE 8800 engine oil in the fleet based on his experience with his forklifts and one 1993 International tractor trailer that is used for local hauls.

LE SOLUTION

LE's 8800 MONOLEC ULTRA[®] Engine Oil was recommended for extending oil drain intervals, reducing oil consumption and



increasing engine life. LE Lubrication Consultant, Helmut von Schweinitz, agreed that the drain intervals could be extended to 50,000 plus miles and still deliver better engine protection.

CUSTOMER COST SAVINGS

One over-the-road 1994 Freightliner with a Cummins N14-430 was started on LE's 8800 MONOLEC ULTRA[®] Engine Oil when it was new. To date the unit has 560,430 miles and

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uses only one quart of oil every 5,000 miles and is still going strong. This unit makes short hauls for the company. In November 2005, all nine Peterbilts were changed to 8800 MONOLEC ULTRA® Engine Oil. **Oil changes are set at 50,000 miles.** The trucks average 80,000 miles per year.

Oil Cost Comparison

	Commercial Grade 15W-40	LE 8800 MONOLEC ULTRA
Oil Change Interval, miles	12,000	50,000
Makeup Oil Between Changes, quarts	5	10
Total Cost of Oil Used Per Change = A	\$81.00	\$210.00
Number of Filters Used	1	2
Cost of Filters = B	\$5.50	\$11.00
Cost of Labor Per Oil Change = C	\$50.00	\$50.00
Total Cost Per Oil Change = A+B+C	\$136.50	\$271.00
Total Cost Per 50,000 Miles	\$569.21	\$271.00

\$298.21 Savings Per Unit Per 50,000 Miles
Oil Change Savings Per Year 1.6* x \$298.21 x 8 Units = \$3,817.09

*Units operate 80,000 miles per year.

Oil Analysis on unit 68 with 52,079 miles at oil change.

“The benefits of our trucks having more road time availability because of reduced oil changes keeps us from having to invest in another truck and driver to haul loads. We also don’t have to worry if a truck goes a few thousand miles over the change interval. The 8800 can handle it till the truck gets back to the yard.”

Lubrication Engineers Inc. would like to thank CEO Michael Johnson, Maintenance Superintendent Shekie Summers, Shop Mechanic Brandon Robinson and Lubrication Consultant



Helmut von Schweinitz (pictured) for the information provided to prepare this report.

EQUIP ID 68		SEVERITY STATUS:																																																																																																																																															
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