

8800 MONOLEC ULTRA® ENGINE OIL
Material Handling Company in Southeast Georgia

7-Series Cushion Toyota Forklifts • SIC 5074 Industrial machinery & equipment

- ◆ *Used LEAP to Safely extended drain interval from 250 hours to 1000 hours*
- ◆ *Reduced labor hours from 576 hours to 144 hours per year*
- ◆ *Savings of \$6480.00 annually in labor cost*

CUSTOMER PROFILE

This large material handling company is located in Southeast Georgia. They service eight locations throughout North/South Carolina and Georgia staffing 95 persons. They are a premier supplier of quality products and superior services in the material handling industry. At one location they maintain 108 Toyota 7-Series Cushion Forklifts for a Large Paper Mill located in southeast Georgia.

APPLICATION

The engine oil was completely oxidized. Management wanted to safely extend the engine oil drain intervals in the 7-Series Cushion Forklifts 3000-6500 LB. class beyond the 250 hour typical drain interval.

AREA OF INTEREST

Lubrication Engineers was successfully used in a sister branch. Upon LE's success at this other branch, LE was recommended to extend their drain interval. The goal was to safely extend the engine drain interval for 108, 7-Series Toyota Forklifts, from 250 hours to 800 hours. Because of the large fleet size it was difficult to rotate the trucks in for service before the engine oil burned and oxidized turning black.

LE SOLUTION

Building on the company's success at their other locations, the southeast branch agreed to use Lubrication Engineers Oil Analysis Program (LEAP) to monitor the drain interval out to 1000 hours. Over several months of analysis and monitoring the oil, improvements were quickly noticed. 8800 MONOLEC ULTRA® Engine oil maintained it's red color and no longer smelled cooked and burned even at 1000 hours plus. The following estimated savings are the average time and labor to change out 108 forklifts in a year.

CUSTOMER COST SAVINGS

108 Fork Trucks x 10 minutes to change oil & filter at 250 hours = 1080 minutes ÷ 60 minutes = **18 total labor hours to change the entire fleet one time.**

8000 hours per unit per year ÷ 250 hour commercial drain interval = **32 oil changes per unit per year for the fleet.**

8000 hours per unit per year ÷ 1000 hour LE drain interval = **8 oil changes per unit per year for the fleet.**

18 total labor hours to change the fleet x 32 commercial oil changes = **576 hours** for the year to change the entire fleet's commercial oil.

18 total hours to change the fleet x 8 LE oil changes = **144 hours** for the year to change the entire fleet's oil.

576 hours minus (-) 144 hours = **432 hours of labor saved per year using LE's 8800 MONOLEC ULTRA® Engine oil.**

At \$15.00 per hour *estimated labor savings are \$6480.00.*

These are the cost savings they achieved the first year at a drain interval of 1000 hours. They have currently dropped back the drain interval to their goal of 800 hours and still change their filters at 250 hours. They are receiving great results at this interval.

We would like to thank the maintenance department, the management at this branch and Lubrication Consultant Mark D. Jones (pictured) for providing the information to prepare this report.



Based on actual user experience. Individual results may vary. Product used not intended to supersede manufacturer's specifications.

LUBRICATION ENGINEERS, Inc.

Leaders in Lubricants 

300 Bailey Ave · Fort Worth, TX · Phone: 800-537-7683 817-916-3200
 FAX: 800-228-1143 817-820-0027 · www.le-inc.com

03-02-07
 LI70570