

Customer Testimonial



Monolec® Hydraulic Oil (6110)

Acme Southern, Inc. – Charlotte, N.C.

Clark & Hyster Forklifts and International Trucks

- **Reduced temperature**
- **Eliminated whine**
- **Extended oil drain intervals**

Customer Profile

Acme Southern, Inc. has been in business 68 years, producing textile and specialty chemicals. John and Larry Eichorn are third generation family running the business. The plant is primarily composed of mixers and packaging equipment. They have forklifts and a small truck fleet for local deliveries.

Application

Most of the mixing is done with hydraulically operated tumblers and stirring vats. The environment is dusty with typical ambient temperatures running hot in summer and cold in winter. The equipment is also exposed to acidic and alkaline chemicals. Acme Southern cannot tolerate any equipment failure once the mixing has started. The production schedule is 7-10 hours a day, five days per week, therefore, equipment performance is critical. The nature of this business requires a ready truck fleet for quick response to local deliveries. They have several older International DT-466 and Series 1500 diesel trucks needing improved performance. Their forklifts are Hyster S-20 and S-40 and Clark C-50B.

Challenge

The hydraulic pump on a Reynolds mixer had a high pitched whine and it was running hot. The oil looked murky and there was water suspected. This unit is especially critical to production as it produces one of Acme Southern's high volume products. The filter and pump were checked and it was determined they needed better protection from their hydraulic oil. They were also interested in improving engine oil consumption in their trucks. These trucks are driven hard, due to schedules and rigors of local delivery.

LE Solution

The local LE lubrication consultant recommended LE's Monolec® Hydraulic Oil (6110) with its high film strength, anti-wear and lubricity, and water separation characteristics for the hydraulic pump. Monolec 6110 was expected to reduce the operating temperature, eliminate the whine and extend the current six month drain interval. He also suggested they try Monolec Ultra® Engine Oil (8800) for the trucks and forklifts.

Results

After converting to Monolec 6110, they saw an immediate reduction in temperature and no whine in the unit. The unit is not even warm to the touch. The initial fill has gone five years (15,000 hours) without an oil change, and the latest LEAPSM (Lubrication Engineers' Analysis Program) analysis showed the oil was in excellent condition for continued use. The change to LE in the forklifts improved handling. Makeup engine oil and fuel consumption were reduced in the forklifts and trucks with Monolec 8800, but no specific numbers were available. John Eichorn is pleased with the engine oil's performance and has all of his company vehicles serviced with Monolec 8800.

Other Products Used

- Almagard® Vari-Purpose Lubricant (3752) is used throughout the plant.
- Monolec® Gear Lubricant (704) has consolidated their gearbox and truck applications to one oil.

Thank you to John and Larry Eichorn, and to the local LE lubrication consultant, for providing the information used in this report.





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Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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