

Customer Testimonial



All Purpose Hydraulic Oil (4934)

Kearse Manufacturing Company – Olar, S.C.

Coe Lathe

- **32 years of service with Lubrication Engineers products**
- **Over 50% reduction in make up oil in hydraulic systems**
- **No pump failures using LE hydraulic oils**

Customer Profile

Kearse Manufacturing is a family owned hardwood veneer business. They manufacture veneer that is used in various industries such as flooring, furniture and door manufacturing. They have been in business for 82 years, and an LE customer for 32 years.

Application

Kearse MFG uses a Coe M263 Lathe to cut the veneer. It is critical that veneer is cut to an exact thickness. There can only be a .005 variance in thickness.

Challenge

In 1998, the lathe went through an upgrade, which included adding hydraulic systems for the dual spindles. Based on his experience with LE product in their John Deere Loader, Bill Thomas, mill superintendent, decided to use All Purpose Hydraulic Oil (4934).

LE Solution

All Purpose Hydraulic Oil (4934) offers excellent rust protection, strong anti-wear properties and superior thermal stability. It is non-foaming in service and provides high oxidation resistance. It is for hydraulic systems operating in a highly contaminated environment, or where high lubricant consumption is a concern.

Results

All Purpose Hydraulic Oil was placed in service in the main hydraulic system. The system operates ten hours a day, five days a week. The total oil in service is approximately 150 gallons. In the early part of 1999, a design flaw in the spindle lubrication became evident. This resulted in Kearse purchasing an additional drum of 4934 because of the make up oil needed each time they had to work on the spindles. Since 2001, this problem was corrected after many hours of investigation. Now



Coe hydraulic system

with ten years in service, Kearse has not replaced any seals, or valve “O” rings, and purchases show only one drum of oil has been used in the last year and half for make up oil.

Other Products Used

Another application that has had equal success is the deck saw. The hydraulic pump drives a hydraulic motor on the saw and holds down clamps. Bill states this hydraulic unit would run hot with the commercial grade oil. He installed Monolec® Hydraulic Oil (6120) in 1998, and has not lost a hydraulic pump or motor on this unit. Very little make up oil has been needed.



Deck saw



Kearse MFG also uses:

- Monolec® Syn Multi-Vehicle ATF (1150)
- Duolec® Vari-Purpose Gear Lubricant (1605)
- Almaplex® Industrial Lubricant (1275)
- Monolec® R & O Compressor / Turbine Oil (6404)
- Monolec® Hydraulic Oil (6120)

Thank you to Bill Thomas, mill superintendent, and to Helmut von Schweinitz, LE lubrication consultant (pictured), 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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