



Shop Supervisor, Dave Hammett, with Pinnacle's Ditch Witch JT2720M1 drill.

Saves tens of thousands of dollars each year with Schaeffer's hydraulic fluid

Pinnacle Construction & Directional Boring, Inc. , North Charleston, SC

Operates a fleet of nine horizontal directional drilling (HDD) rigs and four excavators.

The story

For Pinnacle Construction, unplanned downtime and equipment repairs weren't worth the cost of using less expensive, conventional hydraulic oil.

Frequent hose and hydraulic component failures were eating away at Pinnacle Construction's productivity and bottom line. When a hose or component fails, a 4 to 6 man crew may wait up to 4 hours for repairs and required cleanup. The work stoppage creates a ripple effect, delaying other contractors scheduled to work on the job site.

The results:

Pinnacle Construction tested Schaeffer's 112 HTC Oil in three HDD rigs and tracked the performance for 12 months, documenting these results:

- 50% reduction in hose failures and less hose leakage compared to the rate experienced in previous years.

- 10° to 15° temperature drop: before the equipment ran so hot, a person couldn't touch the chassis near the hydraulic system with a bare hand.
- Less hydraulic oil volume purchased.

112 HTC Oil is designed to protect equipment efficiency; it protects seals and prevents excessive leakage while maintaining performance when used in higher operating temperatures. Based on the results, Pinnacle decided to service all their equipment with Schaeffer's hydraulic oil.

Makes equipment economical to use

Pinnacle Construction's smallest drill, a Ditch Witch Model JT1220, produced impressive savings with 112 HTC Oil. Before, the drill provided 2000 hours of effective service before it experienced frequent component and hose failures. By using Schaeffer's hydraulic fluid, the drill has logged 3400+ hours without a major hydraulic system component

failure, and hoses are lasting 65% longer. Schaeffer's quality hydraulic fluid has extended the service life of the HDD by 75% (to date), saving Pinnacle up to \$75,000 in capital equipment costs.

Less leaks, longer seal life

Previously, stabilizer seals in the company's HDDs would leak and need to be replaced after 2.5 years of service. Since switching to Schaeffer's hydraulic fluid, Pinnacle Construction has not replaced stabilizer seals in these machines, saving them \$65 per seal kit plus labor.

Results that protect the bottom line

As Pinnacle Construction explains, the overall cost savings from reducing repairs, component failures, fluid usage and downtime makes 112 HTC Oil more economical than conventional hydraulic fluid. "Schaeffer's hydraulic fluid saves us tens of thousands of dollars each year, and our operation runs smoother," the company said.