

Customer Testimonial



Monolec® Hydraulic Oil (6120)

Advanced Underground Services – Medford, N.J.

Boring Machine

- **Dropped operating temperatures by at least 40 plus degrees**

Customer Profile

For more than 15 years, Advanced Underground Services continues to prove itself as an innovative leader in the trenchless industry. They have the capability to perform directional drilling in environmentally sensitive areas, congested roadways, river/stream crossings, railroads, and other more challenging locations. Their equipment is state-of-the-art computer controlled to assure accuracy and can handle nearly any size or length bore under any condition.

Application

Advanced Underground uses a 2001 Vermeer 24X40A Navigator horizontal boring machine to perform a multitude of tasks. The unit is hydraulic controlled and is the primary piece of equipment used in their services.

Challenge

While using a major oil company's product in the main hydraulic reservoir, excessive heating of the pump was common and temperatures were easily in the 200°F (93°C) range on a daily basis. When the operators would accidentally touch the side of the hydraulic system, the heat would burn their skin.

LE Solution

The local LE lubrication consultant offered Advanced Underground a solution to their concerns. She informed Christian Ray, president of Advanced Underground, that using Lubrication Engineers Monolec® Hydraulic Oil (6120) in their equipment would offer wear protection, reduction in operating temperatures and the ability to extend the life of the hydraulic components. Mr. Ray agreed and was willing to try a new product in their equipment.



Results

After implementation of the new Monolec 6120, the local LE consultant met again with Mr. Ray to discuss the products ability. "This hydraulic fluid is simply amazing. The very first thing I noticed was that after 4 straight hours of really working the machine, there was a little warmth on the system. I can grab the hoses, the reservoir and the machine is running smoother. I can rest assured that your product dropped my operating temperatures by at least 40+ degrees."



Another advantage of using LE products, is the ability to locate small leaks on the system. There was a small leak around a fluid hose coupling and also on one of the pumps. The red color of the fluid made leak detection easier.

Other Products Used

- Monolec® Gear Lubricant (703)
- Monolec® Syn Multi-Vehicle ATF (1150)
- Almagard® Vari-Purpose Lubricant (3752)
- Multilec® Industrial Oil (6805)
- Monolec® Power Fluid (7500)
- Monolec Ultra® Engine Oil (8800)

Thank you to Mr. Christian Ray, president, and to Jennifer Rybacki, LE lubrication consultant (pictured), for providing the information used in this report.



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