



Magnum Crane • Federal Way, WA

Magnum Crane's success with Schaeffer's products started with a Liebherr Crane and support truck using Schaeffer's 15W-40 diesel oil. As the Liebherr Crane neared the end of its life, the company was surprised to see how well the engine still performed.

"It had over 24,000 hours on the engine and still ran strong and started good cold," said Magnum Crane's Mike Kinsey. "We decided to upgrade to Schaeffer's oil in the rest of our fleet, which had been serviced with a premium conventional oil."

High soot content and poor oil samples were common occurrences in the company's two support trucks with ISX Cummins.

"We worked with the drivers to limit idling, but the challenge was when they'd get out to help with crane assembly," said Mike. "The truck would be forgotten and left idling."

Immediately after one of the support trucks was serviced with Schaeffer's oil, the driver noticed an issue with the oil pressure. He shut down the truck, changed oil filters and saw the oil pressure was correct.

About 50 hours later, the driver experienced the same issue. Magnum Crane changed the oil and filter and took a sample. Mike says oil pressure was good after that, but the sample showed the soot content had increased. They serviced the truck at 250 hours and then again at 500 hours; each time they sampled the oil, soot was high but acceptable.

"Soot levels have since returned to normal values even when compared to the matching vehicle with less idling," said Mike. "The same situation happened with the other support truck with the same engine. Our take on this is that Schaeffer's additive package is so much better than what we were using, it had essentially cleaned the crankcase."

The results the support trucks experienced with Schaeffer's oil encouraged Magnum Crane to switch to Schaeffer's gear lube. The company had always used what they thought was premium synthetic gear oil, but Schaeffer's gear lube quickly changed their mind.

"We reduced the operating temperature of the planetary wheel ends on our crane chassis by approximately 20 degrees,"

Reduces operating temperature 20 degrees, extends equipment service life

said Mike. "We've had no failure of our chassis planetary wheel ends since switching to Schaeffer."

Prior to using Schaeffer's gear lube, Magnum Crane had to rebuild two hoist gearboxes on the smaller cranes they operate. The mechanic attributed the mechanical issues to improper lubrication. The gearboxes always had visible wear metals in them, and the oil that was removed was discolored. "With Schaeffer's gear lube, we noticed a big reduction in the amount of visible wear metals, and the oil isn't discolored," said Mike. "That sold us on the benefits of Schaeffer's products."

Magnum Crane's equipment is serviced exclusively with Schaeffer's products, with the exception of a few OEM lubes.

"Every product we've switched to, we've noticed an improvement. Our latest swap was to Schaeffer's Boom Lube, which we found lasts 25 percent longer between applications," Mike said. "With Schaeffer, you use far less product with far less mess and waste. Labor time to apply was cut in half."