

Customer Testimonial



Monolec® Ultra-Blend Engine Oil (8130)

B.S.C. Steel, Inc. – Kansas City, Mo.

Miller Portable Welders

- **Reduced oil consumption**
- **Eliminated smoking**
- **Extended equipment life**

Customer Profile

B.S.C. Steel, Inc., specializes in custom structural steel fabrication and erection nationwide. B.S.C. was founded in 2003, and has approximately 70 employees in the Kansas City, Mo. area.

Application

Miller portable welders are used for portable welding and electrical power.

Challenge

Nathan Barr, shop manager, and Fred Crain, operator, had a problem with the welders running out of oil and shutting down when the low oil switch was activated. The welder on the job would have to stop work, climb down from his work area and refill the crankcase with oil. Having to climb up and down on scaffolding is very time-consuming and unsafe. When the welders were new, they were serviced with 10W30 oil; after additional use, 10W40 oil; then, when the engines exceeded 6,000 hours of service, Nathan used Mobil SAE 50 single-grade oil to try to slow the oil consumption and smoke.

LE Solution

LE's Monolec Ultra-Blend Engine Oil (8130) was recommended by lubrication consultant Bill Seals. Monolec Ultra-Blend Engine Oil 8130 is for heavy-duty, long-drain service in diesel and gasoline engines. Made from select synthetic and paraffinic oils for all-weather performance, it is designed for effective cold cranking at low ambient temperatures. It contains Monolec, LE's exclusive wear-reducing additive.

Results

The week after Monolec Ultra-Blend 8130 was recommended to B.S.C., Bill followed up with Nathan, who said he had

changed the oil on Monday morning on two welders and ran them all day. Both welders smoked badly for about 15 minutes, after which the smoking stopped. That afternoon before closing for the day, Nathan switched off the welders and checked the oil levels; both welders were full. At the end of the second day of running the welders, one was full and the other was down one pint. Bill told Nathan that with more time running the new oil, the oil depletion problem may stop completely. In addition, spark plug fouling was eliminated.

Before changing to LE products, B.S.C. was replacing one Miller welder per month for about \$4,500 and selling the used one for about \$350. Now B.S.C. is keeping the welders and hopes to get a couple more years of use out of them. The company is also converting all of its trucks and tractors to LE products.

"I am amazed that we are not using any oil and the money we save," Nathan said. "Yes, LE is a little more expensive, but costs less in the long run. We will be switching over the rest of our fleet."

Other LE Products Used

- L-X® Heavy-Duty Chemical Supplement (2300) – gasoline fuel supplement
- Almagard® Vari-Purpose Lubricant (3752) – backhoes and tractors
- BTU+ Total Treat Diesel Fuel Improver (2410) – diesel fuel

Thank you to Nathan Barr, shop manager, Fred Crain, operator, and to Bill Seals, LE lubrication consultant (pictured), for providing the information used in this report.





Monolec®, L-X®, and Almagard® are registered trademarks of Lubrication Engineers, Inc.

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

SIC 1791
LI70826 07-11

300 Bailey Avenue • Fort Worth, TX 76107 • Fax: 800-228-1142
LE operates under an ISO 9001 Certified Quality System.

www.LElubricants.com
800-537-7683