

Multi-Operation Success with Alusol SL 61 XBB

MACHINERY MANUFACTURING (USA)

Small Engines

Castrol Alusol® SL 61 XBB

ANNUAL SAVINGS: \$66,940



The Situation

A major lawnmower manufacturer was experiencing issues with their coolant supplier. Across different fluids, the issues ranged from poor bio-stability, short sump life, foaming and high additive usage. The customer was interested in improving their overall process and sump life.

Before

- The previous coolant would only last 2 years maximum
- Constant foul odors led to poor operator acceptance
- Elevated coolant and additive usage

After

- Doubled sump life - 4 years with no dump/recharge
- Eliminated odor and biocide use - increased operator acceptance
- Significant reduction in coolant (35% less) and additive usage

The Solution

- Castrol surveyed the plant and determined that Alusol SL 61 XBB would be the best choice for all their plant's processes.
- Castrol provided a fluid control plan in order to monitor and maintain the coolant systems.
- Concentrate usage was monitored and optimized by Castrol to achieve maximum usage reductions.
- Castrol engineering recommended mechanical adjustments and fixes to significantly reduce defoamer usage.

- **Eliminated biocide usage**
- **Reduced overall additive usage**
- **35% reduction in fluid usage**

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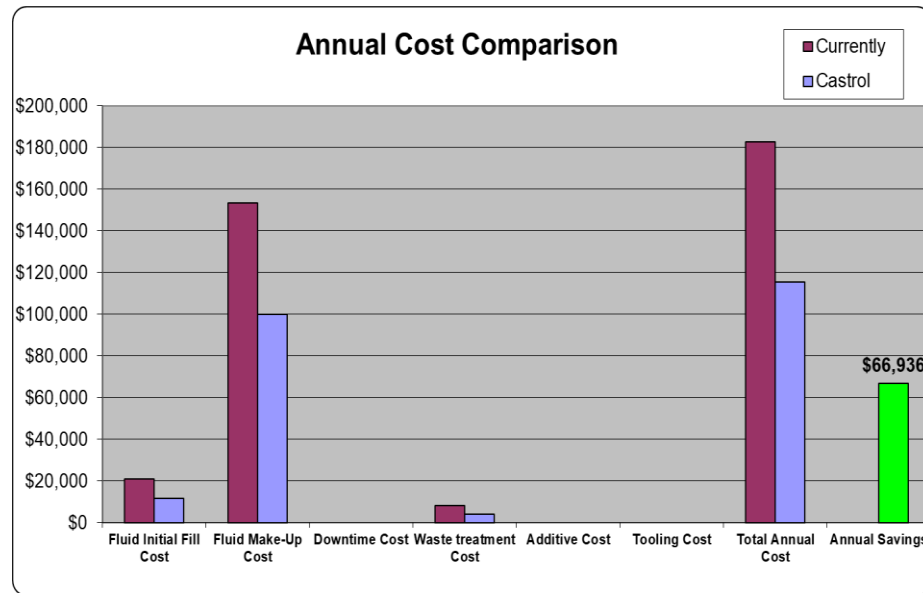
Recommendations

This customer performs a variety of operations on aluminium blocks with cast iron sleeves including milling, drilling, tapping, boring, and honing. Castrol engineering reviewed the applications in detail and recommended the use of Alusol SL 61 XBB as a total plant solution.

Proper fluid choice along with customer training and support were key to achieve the extended sump life and usage reductions. This has been successful through distributor support and Castrol interactions.

Conclusion

Alusol SL 61 XBB has delivered value across the board by eliminating biological odors, foaming and additive usage, while reducing overall fluid usage. **The result was over \$66,000 of annual savings!**



OTHER POTENTIAL APPLICATIONS

The high performance of Alusol SL 61 XBB makes it an excellent choice for grinding, drilling, tapping, milling, honing, reaming, and broaching on a wide variety of metals.