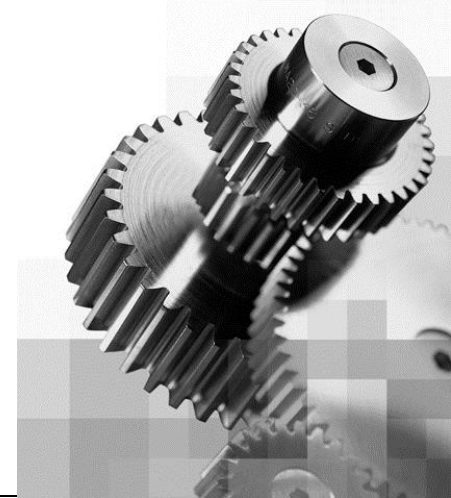


# AUTOMOTIVE (USA)

## TRANSMISSION

### Castrol Syntilo® 9954

## ANNUAL SAVINGS: \$39,743



### THE SITUATION

An automotive manufacturer was experiencing reduced tool life. The costs associated with the pot broaching in the transmission plant needed to be reduced.

### BEFORE

- Coolant used for the operation was a chlorinated soluble oil
- Baseline tool cost per transmission build = \$0.36

### AFTER

- Clean coolant with no chlorine
- Baseline tool cost per transmission build reduced to \$0.26

### THE SOLUTION

- Castrol engineers worked with technical support and the customer to determine the primary cause.
- The recommendation was made to change the coolant from water soluble to a synthetic coolant to improve tool life.
- Castrol utilized Best Practice Transfer from other customers running similar operations.

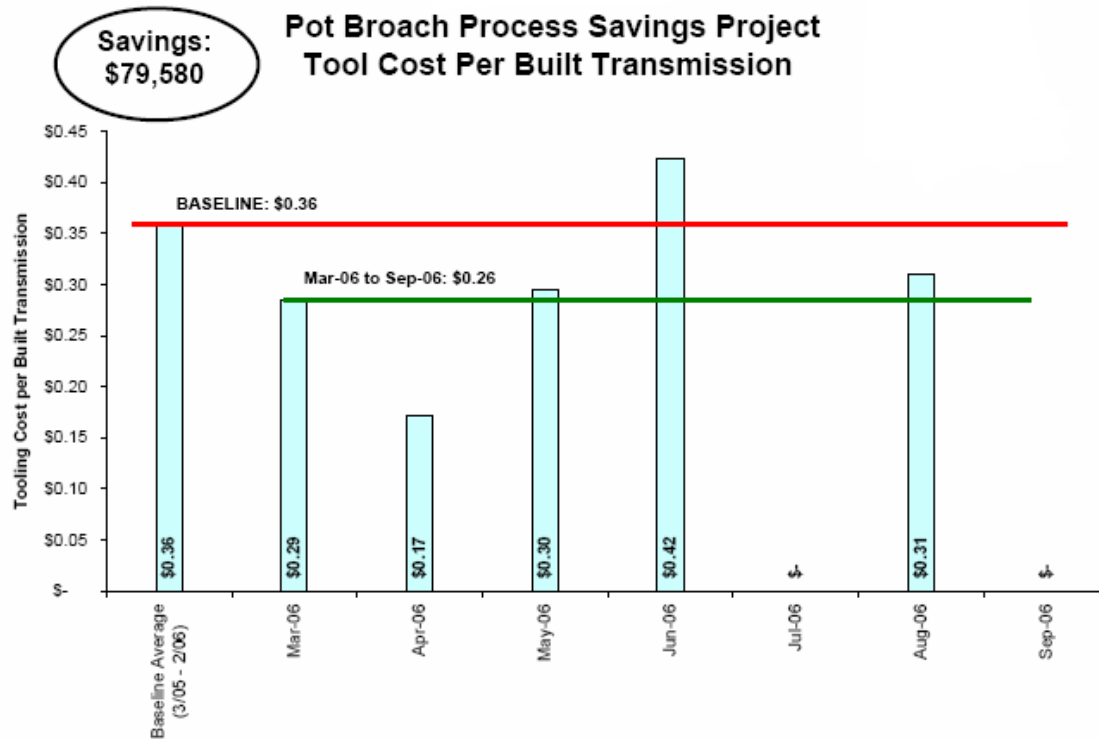
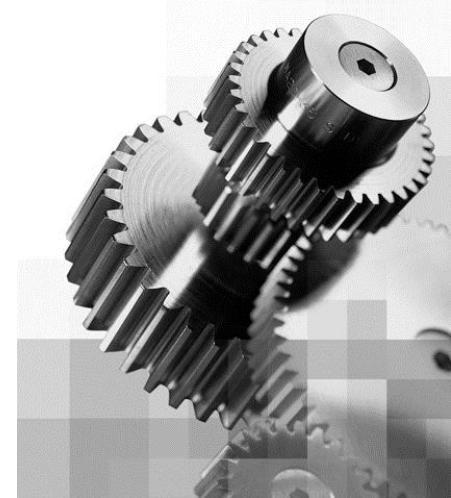
- Castrol utilizes Knowledge Transfer
- High Performance Products

## RECOMMENDATIONS

From its past experience and extensive product knowledge Castrol recommended the change to synthetic coolant from a chlorinated water-soluble coolant to help reduce coolant usage and improve tool life on the broach process

## CONCLUSION

The outcome was increased tool life and **the total tool savings was valued at \$79,580.**



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