

# AUTOMOTIVE (USA)

## WHEEL MANUFACTURING

### Castrol Syntilo® 9913

## Improved surface finish



#### THE SITUATION

A major wheel manufacturer was having problems controlling concentration with their existing product in a central system.

#### BEFORE CASTROL

- High rates of evaporation and carryout
- Frequent additions of large volumes of water
- Frequent additions of large volumes of coolant concentrate to drain back troughs
- Wide variation in concentration
- Machining & surface finish issues

#### THE SOLUTION

- Automatic monitoring of fluid level in coolant system
- Automatic additions of fluid to maintain proper system fluid level

Application expertise assists customers in saving money

#### AFTER CASTROL

- Coolant concentrate and water are pre-mixed and added to the system in a regulated fashion
- Consistent fluid level and fluid concentration maintained
- Improved machining performance

## RECOMMENDATIONS

Evaporation and carryout in this system made controlling concentration and fluid level very difficult resulting in system control variations. Automatic monitoring and additions of fluid improved performance.

## CONCLUSION

USE OF CASTROL SYNTILO 9913 AND IMPLEMENTATION OF CASTROL RECOMMENDED HYDROBLEND PROPORTIONER RESULTED IN SIGNIFICANTLY IMPROVED SYSTEM CONTROL WITH IMPROVEMENTS TO COOLANT LIFE AND CONSISTENT MACHINING PERFORMANCE.



## OTHER POTENTIAL APPLICATIONS

All manufacturing facilities with large numbers of difficult to manage individual machine sumps can benefit from Castrol ILS high performance products and technical expertise.