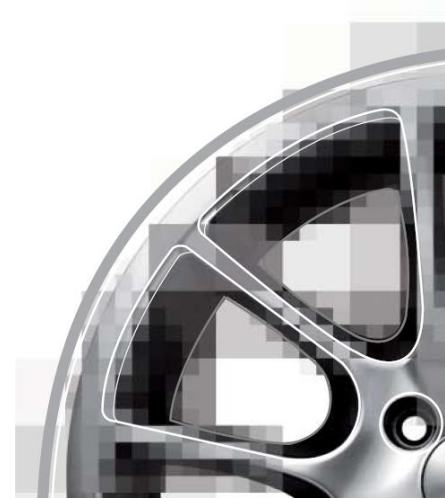


AUTOMOTIVE (USA)

WHEEL MANUFACTURING

Castrol Syntilo® 9926

ANNUAL SAVINGS: \$400,000



THE SITUATION

A major aluminum wheel manufacturer uses Carbide and PCD Diamond tooling. Contaminants from quench tank and heat treat process were being left on cast aluminum wheels and then released into the central coolant system. These contaminants resulted in high hardness, and chloride levels and resulted in frequent dumps and recharges.

BEFORE CASTROL

- Hardness levels of 80 grains per gallon
- Chloride levels of 300-400 ppm within a three month period
- Frequent dump and recharge of the system
- Surface finish and reject issues

AFTER CASTROL

- Improved system control and cleaner system operation
- Improved surface finish and part quality
- Longer coolant life
- Reduced maintenance and disposal costs

THE SOLUTION

Castrol Syntilo 9926 resulted in reduced system contamination and reduced recharges of coolant system

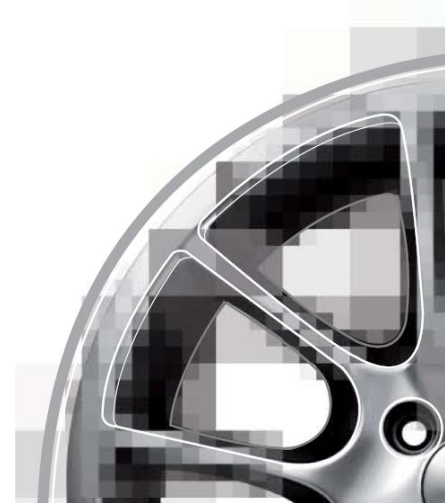
Castrol Syntilo 9926 is a high performance synthetic product that can be used in difficult applications

RECOMMENDATIONS

The use of a high-performance product such as Castrol Syntilo 9926 with superior biostability enabled the customer to reduce labor and waste disposal costs associated with system changeouts.

CONCLUSION

USE OF HIGH PERFORMANCE CASTROL SYNTILO 9926 AND IMPLEMENTATION OF CASTROL ENGINEERING RECOMMENDATIONS RESULTED IN SIGNIFICANTLY REDUCED SYSTEM CONTAMINANTS AND ANNUAL SAVINGS OF \$400,000.



OTHER POTENTIAL APPLICATIONS

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