

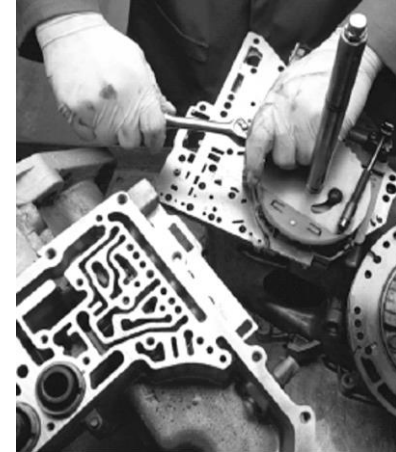
New Coolant Systems Start Out on the Right Foot

AUTOMOTIVE (USA)

BRAKE CALIPERS

Castrol Hysol® MB 10

Great Performance in Newly Commissioned Systems



THE SITUATION

A major automotive brake manufacturer was commissioning several new coolant systems. These systems were designed to perform the gray cast iron machining of their brake caliper components.

The customer sought a coolant with low total cost that could perform the machining operations well and handle the cast iron fines, which tend to create a dirty coolant system.

BEFORE

- These were new systems, so there is no baseline data.
- Four (4) Chiron transfer lines @ 4500 gals each and nine (9) individual machines @ 600 gal each were being installed

THE SOLUTION

- Hysol MB 10 was chosen by the customer based on projections of a very low total cost (price, longevity, and performance).
- Based on the nearly 2 years of current experience in the central systems, Hysol MB 10 is expected to have very long system life.
- The coolant continues to hold up well, given the abuse of lots of tramp oil and dirt build-up in the system.

AFTER

- Hysol MB 10 semi-synthetic coolant in use
- Excellent performance in machining operations
- Maintains a very clean coolant system

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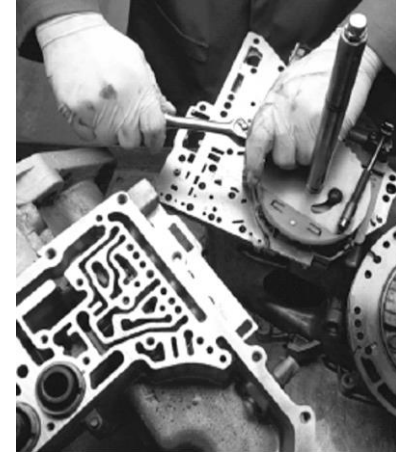
RECOMMENDATIONS

The customer performs milling, drilling, turning, and tapping of gray iron components (caliper bodies and brackets). Hysol MB 10 was chosen for its ability to handle these operations while maintaining a high level of system cleanliness in cast iron.

CONCLUSION

Hysol MB 10 has proven to be successful in these operations for nearly 2 years and provides a very low total cost of operation, due to competitive pricing and long sump life.

The customer is very pleased with the performance of Hysol MB 10 in their new coolant systems.



OTHER POTENTIAL APPLICATIONS

Castrol Hysol MB 10 is designed to provide excellent bio-resistance and long system life in light to medium duty ferrous machining operations. It is especially suitable for cast iron systems and others that can benefit from exceptional cleanliness.

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