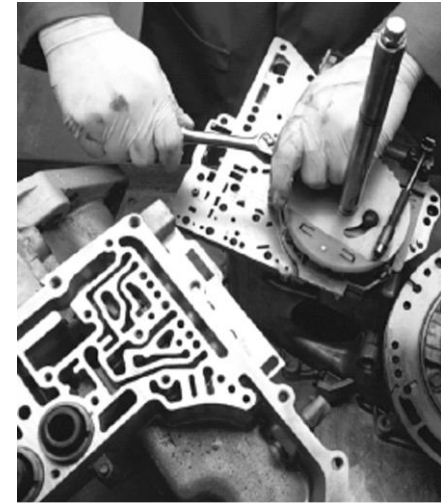


# AUTOMOTIVE (USA) STEERING COMPONENTS

Castrol Hysol® MB 50

**ANNUAL SAVINGS: \$20,000**



## THE SITUATION

A leader in automotive steering components needed to add a machined nodular iron housing process in an eight month timeframe.

As an established supplier, Castrol was asked to introduce a high oil-containing coolant that would optimize tool life.

Due to the project opportunity, a capital investment in a coolant recycler, sump sucker, chip blasters, and oil skimmers was made. As a result, the coolant needed to perform under extreme conditions, be stable, and have excellent longevity.

## BEFORE

- Since the operation was a first time set-up, there was no history.
- The Engineer implementing the project tracked tooling usage.

## AFTER

- Castrol Hysol MB 50 was chosen for this application.
- The Engineer reported tooling usage to be less than 1/3 of his projections.
- The coolant was put in several machines in other departments and plants after the success on the housings.

## THE SOLUTION

- The Hysol MB 50 provided the customer with tool life that exceeded expectations.
- A coolant recycler was employed which allows for the removal of tramp oil and fine nodular iron dust from the fluid. This has indefinitely extended the coolant's life.
- Castrol Application Engineers reviewed the process and gave recommendations that made the customer feel positive about their choice.
- Castrol Technical Support performs routine analysis on the system to ensure the integrity of the fluid.

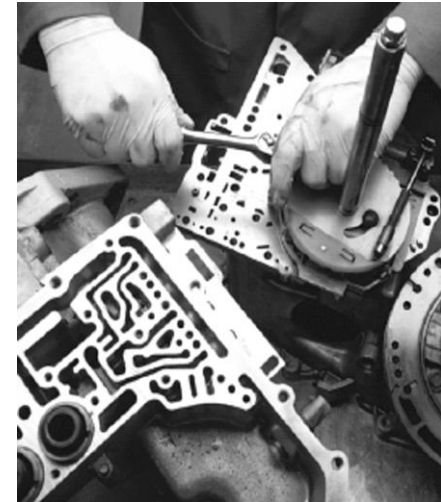
- Proven long sump life
- Machines well in many processes on many materials
- Withstands high pressure delivery
- Fluid has superior hard water stability
- Builds customer loyalty

## RECOMMENDATIONS

Castrol Hysol MB 50 is a great coolant to consider for customers who are looking to consolidate to one fluid. It performs well in a variety of processes & materials and reduces total cost of ownership by minimizing system additions and additive costs.

## CONCLUSION

- The useful life of a high quality metalworking fluid can be greatly extended for customers who are willing to invest in reducing costs.
- The customer acceptance of the Hysol MB 50 and collaboration with Castrol has helped secure a great relationship for many years to come.
- The customer tested the fluid for waste water treatability and Hysol MB 50 passed. This has greatly increased its value to the customer and will allow the coolant to be considered in many other areas.



## OTHER POTENTIAL APPLICATIONS

The versatility of Hysol MB 50 allows it to work well in most automotive applications.