

Hysol MB 20 Delivers Increased Value

MACHINERY MANUFACTURING (USA)

Agriculture & Construction

Castrol Hysol® MB 20

Reduced Usage and Residues



THE SITUATION

A major agriculture machinery manufacturer was using Hysol MB 20 successfully in multiple machines. They were happy with the performance but were looking for some improvements in the areas of usage and residue.

BEFORE

- Hysol MB 20
- Moderate overall usage
- Moderate chip settling rate in cast iron machining
- Some residues left in machines

AFTER

- Hysol MB 20 improved formula
- Lowered usage by about 10% per year
- Faster chip settling for easier filtration
- Higher detergency keeps the machines cleaner

THE SOLUTION

- The new formula for MB 20 was designed to impart new technology emulsion characteristics while maintaining the machining performance of the fluid.
- This technology has been proven in other Castrol coolants and was used to deliver better wetting properties and run-off from parts.
- The result is less carry-off on the parts, lower fluid usage, and improved residue features.
- Compatibility of the old and new formulas allowed the plant to make a simple conversion.
- Overall, the new formula delivered increased value to the customer without the need to make any changes within the facility.

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RECOMMENDATIONS

Hysol MB 20 is being used on cast iron, steel and aluminum parts (primarily axle housings and driveshaft parts). The typical operations are milling, drilling, turning, cut tapping and honing. The Hysol MB 20 has effectively run in high pressure coolant systems with minimal foam.

CONCLUSION

The new Hysol MB 20 performs well in all of the various operations and metals while improving some of the minor drawbacks of the previous formula.

Overall, this change delivered better value from the existing fluid and was seamless for the customer.



Parts produced at facility



OTHER POTENTIAL APPLICATIONS

Hysol MB 20 is an excellent multi-metal machining fluid. It provides excellent corrosion protection to parts and now is one of the cleanest running semi-synthetics on the market.

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