

MACHINERY MANUFACTURING (USA)

AGRICULTURAL & CONSTRUCTION - COMPONENTS

Castrol Hysol® MB 20

ANNUAL SAVINGS: \$400,000



THE SITUATION

An industrial hydraulic component manufacturer, was experiencing high coolant costs related to poor sump life and high additive volumes needed to maintain the coolant used in approximately 350 CNC machining centers.

BEFORE

- Traditional semi-synthetic coolant
- Large amounts of stabilizers, defoamers, and biocides used
- High volume of waste coolant
- Evaporator used for waste

AFTER

- Latest technology semi-synthetic coolant
- Additives no longer needed
- Sump life 2-4 times longer, plus recyclable
- Evaporator decommissioned
- Cleaner machines

THE SOLUTION

- A low foaming, biostable, and long life coolant was chosen.
- This fluid eliminated the use of tankside additives previously used to correct pH, bacteria and foaming problems.
- Recycling was instituted to further gain value and life from the fluid.
- Waste was dramatically reduced, leading to decommissioning of the customer's costly evaporator.
- As a result, Hysol MB 20 generated a savings of \$400,000 annually in 'productive hours' due to the low maintenance and long life of this new technology, semi-synthetic coolant.

The biostability of Hysol MB 20 is produced through a balanced buffering package. The machining performance is exceptional due to its robust lubrication and rust prevention package.

These features allow Hysol MB 20 to be an easy choice for maintenance and HSE personnel alike, when faced with the production and safety challenges of today's manufacturing environment.

RECOMMENDATIONS

Converting from a traditional semi-synthetic to a new technology, biostable coolant allowed additive costs to be eliminated and sump life to be increased by up to four times. Maintenance time previously spent handling coolant issues was redirected to more critical needs.

CONCLUSION

Castrol Hysol MB 20 has allowed the customer to spend less time maintaining the coolant, while regaining focus on manufacturing hydraulic components.



OTHER POTENTIAL APPLICATIONS

Castrol Hysol MB 20 is an excellent choice for any coolant application where multi-metal machining, foam resistance and long sump life is required. In addition, the biostability is excellent, leading to higher acceptance among operators and Health & Safety personnel.