

Paper Machine Success for More Than a Decade

PULP AND PAPER (USA)

DRYER ROLL BEARINGS

Castrol Tribol® CT 1740 Paper Machine Oil*

Trouble-Free Dryer Operation

THE SITUATION

A packaging company was experiencing bearing failures and carbon build-up on their dryer roll bearings. Carbon from the oxidized oil would accumulate in the bearing housings and distribution lines, eventually causing oil back-ups and overflows.

They were looking for a lubricant for their Bowser system that would better handle the heat and easily separate from water, due to the high probability of moisture ingress from the wet stack.

BEFORE

- High quality mineral oil
- Large amounts of carbon build-up in the bearings and oil lines
- Regular bearing failures and oil overflows

AFTER

- Tribol CT 1740 Paper Machine circulating oil
- Carbon deposits were cleaned up by the Tribol CT 1740 and kept away
- Only 3 dryer roll bearing failures in 12 years; none related to lubrication!

THE SOLUTION

- Customer did not have the maintenance staff to conduct regular oil change-outs or oil sampling.
- They were looking for a low-maintenance, long lasting fluid that would eliminate the carbonization problem and extend bearing life.
- Tribol CT 1740 Paper Machine Oil was designed specifically to provide this type of operation for customers.
- Castrol helped perform the oil conversion and assisted with the sampling program to ensure the oil was meeting the customer's needs.



- Carbon build-up eliminated
- Bearing life greatly extended

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RECOMMENDATIONS

Castrol developed the Tribol CT 1740 specifically for the harsh conditions of the wet-end of paper machines. The semi-synthetic base fluid provides the needed high temperature capability and detergency to prevent carbon build-up and oxidation, providing exceptionally long bearing and oil life. In this case, the oil has not been fully changed in over 12 years due to its oxidation resistance and ability to shed water.

CONCLUSION

Tribol CT 1740 exceeded the customer's expectations for lubrication ability and low maintenance costs.

The fluid has provided this plant with trouble-free operation for over 12 years!



OTHER POTENTIAL APPLICATIONS

Castrol Tribol CT 1740 is a semi-synthetic paper machine circulating oil, designed to provide excellent lubrication in the high temperature / high humidity environment of modern paper machines.