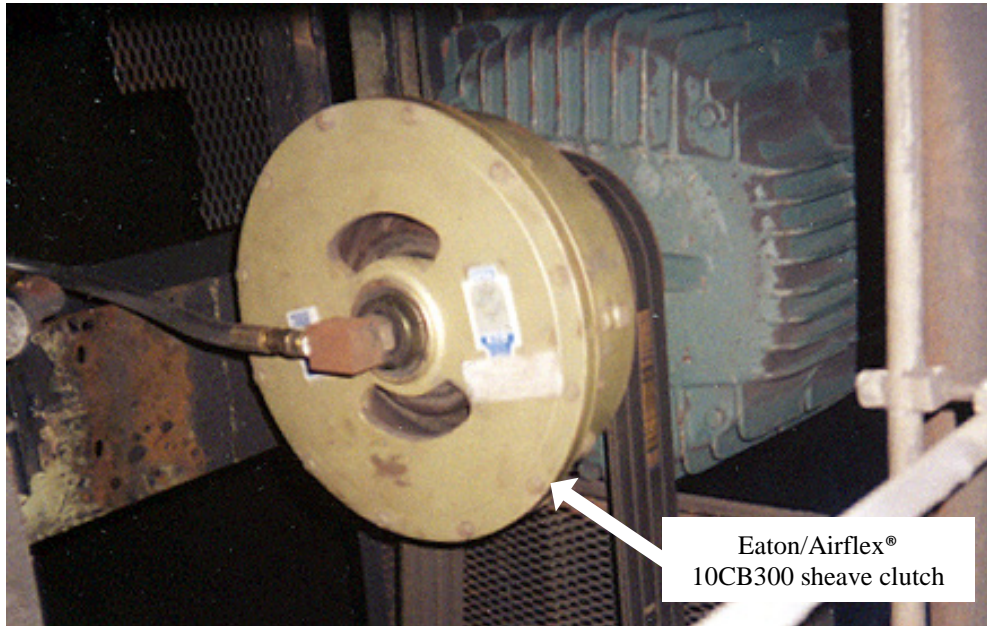


# APPLICATION BULLETIN

## EATON/AIRFLEX® 10CB300 SHEAVE CLUTCH



INDUSTRY: FOUNDRY

APPLICATION: Sand Muller

**BACKGROUND:** A foundry was having serious problems with a Horton® XHW air clutch on their sand muller. The clutch would consistently last 3-4 weeks before the friction disc would need to be replaced...*and*...every 6 months to a year the entire clutch would have to be scrapped because of bearing failure, excessive heat and a serious over-hung load problem, all of which contributed to rapidly destroying the unit beyond repair. BrakeTechnique®, Inc. looked at the application and the requirements of the equipment and came up with a solution. BrakeTechnique®, Inc. recommended an Eaton/Airflex® 10CB300 sheave clutch. The overall size of this unit was only slightly larger than the Horton®, yet it provided up to 40% more torque capacity. And because of the design, there were no over-hung loads on the bearings. The Eaton/Airflex® unit is made to accommodate a standard “QD” style sheave, which allowed the customer to change-out the sheave with a standard off-the-shelf product. The foundry purchased the package, installed it on their sand muller, and has been using it for more than 18 months without a single wear related problem.

**ADVANTAGES:** Although the Eaton/Airflex® unit initially cost more, its long lasting design has saved the customer money in the long run by not having to replace the unit regularly. Also, the fact that a routine maintenance problem and down-times were eliminated, they saved even more money!

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