



August 28, 2015

Mr. Ulrich Gernhardt
President
MH&W International Corp.
575 Corporate Drive
Mahwah, NJ 08854-2330

Dear Mr. Gernhardt:

I am writing today to tell you about my experience with the CoolBLUE common mode chokes that we have been purchasing from your company.

I was first introduced to this product in February, 2006 when I was asked to participate in a beta test of common mode chokes applied to large water chillers that were equipped with variable frequency drives. The goal was to provide positive protection against induced shaft currents that can damage steel ball bearings.

We removed the original ceramic bearings from both machines and installed standard steel ball bearings. At the same time, we fitted the machines with CoolBLUE chokes and then monitored the operation on a regular basis using vibration analysis equipment. After three years we opened one machine and removed the bearings. There was no visible sign of spark discharge and subsequent metallurgical analysis showed the bearings to be as good as new. The second machine still has the steel bearings that were installed in 2006 and it continues to operate flawlessly. The results of this test, and other tests around the country, have resulted in the elimination of very expensive ceramic bearings and complete conversion to steel bearings.

The chiller tests went so well that CoolBLUE chokes are now added to the bill of material whenever we install a system that uses a VFD. We have retrofitted numerous fans and pumps that had experienced multiple bearing failures as a result of excessive shaft current and spark discharge and in all cases the problem went away.

I would like to take this opportunity to express my gratitude to Bill Wilson and Darleen Boyaci for the terrific support they have provided. They have been a great help to all of us here at Brady.

Sincere Thanks,

A handwritten signature in cursive script that reads "Dick Wells".

Dick Wells
Technical Service Manager

Your Comfort. Our Promise.

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