

How reliable is a measurement made with the MHC instrument?

No single CM technology can claim to pick up all failure modes, on all machine types all of the time. Consequently we don't make any such wild claims for the MHC instrument. The purpose of all CM instruments is to increase the chances of detecting faults in operating machinery at a timely stage in their development. Our own experience and that we know of our customers in using the MHC is that it has an excellent track record for bearing and gear fault detection. It's difficult to put a percentage figure on it but we believe it to be in the high 90's.

We have no evidence of any other CM technology or CM instrument having a higher success rate or a broader spread of applicability in general application to rotating machinery. Indeed we are aware of CM specialists who use an MHC to extend their monitoring capability to include those awkward to monitor applications such as slow speed machinery, worm-wheel drives, plain bearings and gearboxes with unknown internals.

We certainly have no apprehension when prospective customers do a back to back test with an MHC instrument against any other CM instrument on the market. To date the most common outcome of such a trial has been that the MHC has been found to be at least as sensitive to faults as others under test and far simpler and quicker to apply.