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In a recent independent study, we tested our newest high-performance wheel gearbox, the Reinke-UMC® 740-U-AD™, against our competition's 8000 model gearbox, and our own field proven standard wheel gearbox. The results were nothing short of game changing as the Reinke-UMC® 740-U-AD™, outperformed both, making it the new standard in wheel gearbox load capacity and longevity for electric center pivots and laterals.

The first test performed was the average gearbox load capacity test, which measures the amount of load applied to the gearbox before it begins to "growl" or make noise, signaling the point at which extreme gear wear begins.

Thanks to our new high torque gears, the Reinke-UMC® 740-U-AD™ gearbox consistently — and quietly — overpowered the closest competitor by more than 22 percent, averaging 28,600-inch pounds of load capacity before the growl point where extreme gear wear begins.

The next test performed was the average accelerated gearbox life test. This test approximates the life of the gears under a constant overload condition. Average life is calculated from gear wear resulting from the test. The



Reinke-UMC® 740-U-AD™ gearbox significantly outperformed its predecessor and experienced roughly half the amount of gear wear compared to its 8000 model competitor under the same test conditions.

Remaining cool under pressure, the Reinke-UMC® 740-U-AD™ gearbox also operated 15 degrees cooler on average during the average accelerated gearbox life test, indicating that more of its energy is being channeled into moving your irrigation system — rather than producing excess heat.

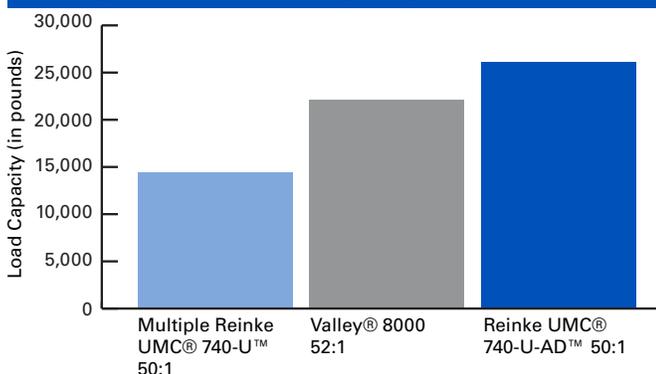
The superior performance

of the Reinke-UMC® 740-U-AD™ gearbox in terms of load capacity and life is why only Reinke can offer the best wheel gearbox warranty in the industry of 10 years or 16,000 hours.

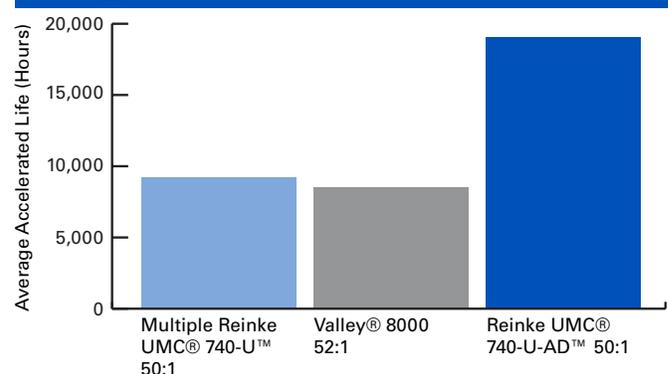
Are you eager to learn more? We thought so.

While you could easily look for the Reinke Blue gearboxes in the field, you may just want to have your questions answered by one of your local Certified Reinke Dealers. It's just that easy. You can call or just stop by, and they'll discuss it with you in person.

**Average Gearbox Load Capacity**



**Average Accelerated Gearbox Life**



UMC®, 740-U™ and 740-U-AD™ are trademarks of Universal Motion Components Co., Inc. Multiple Reinke UMC® 740-U™ and Reinke UMC® 740-U-AD™ gearboxes were tested by Universal Motion Components Co. Inc. against multiple Valley® 8000 gearboxes. The left axis of the chart respectively shows the relative performance in hours of calculated life based on gear wear and the average load at which each population of gearboxes grew. Tests were performed in a head-to-head comparison, in a controlled environment and in a standard manner to ensure an accurate comparison. The accelerated life shown in the graph does not reflect expected life in the field. Valley® is a registered trademark of Valmont Industries, Inc.