



**DRD ADDITIVES LLC
1194 NORTH CREST DRIVE
ROCKFORD, IL 61107**

BD 0908 Case Studies

Case 1: Commercial multipurpose grease

Customer used 3.5% BD 0908 in a grease. Was able to replace entire EP/antiwear additive combination as well as reduce rust inhibitor level. Saw 4-ball performance increase to 700kg load without failure, which was the maximum that the test could reach. In addition, the cup temperature was reduced from 95°C to 72°C.

Case 2: Another commercial multipurpose grease

Customer included 4% BD 0908 in a calcium sulfonate based grease. A number of physical tests were performed. The four-ball wear scar was 0.35 mm, load wear index was 78, and the weld point was 760. The grease passed seal compatibility and salt water rust tests. The customer decided to compare the new formula that included BD 0908 with the old formula that did not include BD 0908 using an independent lab. The load wear index performed at this lab was 94 for the new formula, compared to 64 for the old formula; showing a dramatic improvement.

Case 3: Engine assembly and break-in lubricant

Customer used 2% BD 0908 in place of traditional anti-wear additive package. Saw 22% improvement in 4-ball performance. Product qualities were dramatically improved with lighter color, lower viscosity, no unpleasant odor, and tolerance to water. Customer subsequently reduced rust inhibitor content. Overall formula cost significantly reduced with improved quality and performance.