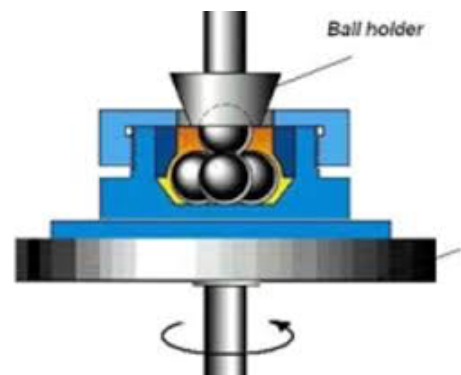




Four Ball Extreme Pressure (Weld) Test

The Four Ball Extreme Pressure (Weld) test is similar to the four ball wear test in that it uses the same rotating top ball and three clamped stationary balls. However, the EP test is actually a series of tests, each 10 seconds in duration, under increasing loads until the lubricant “fails”. The lubricant failure occurs when the balls begin to seize and weld together (WP or Weld Point), and is recorded in kg.



Most Product Data Sheets will list the weld point, but there are two other observations that are also commonly recorded for the EP test: Last Non-Seizure Load (LNSL) and Lubricant Wear Index (LWI).

