

Figure 1. Variation of COF with the applied current for uncoated, a-C, and ta-C coated M2 steel surfaces sliding against AISI 52100 ball counterface at different bearing currents.

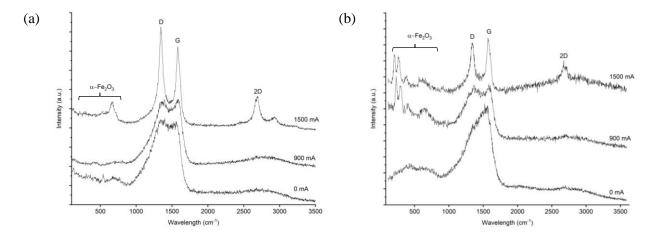


Figure 2. Micro-Raman spectra inside the wear track of (a) a-C coated and (b) ta-C coated, samples sliding against AISI 52100 ball counterface at 0 mA, 900 mA, and 1500 mA bearing currents.