ANTIWEAR SYSTEM FOR IMPROVED COPPER CORROSION

ABSTRACT

An organometallic phosphorus-providing antiwear additive and a lubricating composition including the organometallic phosphorus-providing antiwear additive having improved copper corrosion performance obtained by reacting an organic hydroxy compound with phosphorus pentasulfide to form a reaction product, distilling the reaction product and recovering a condensate, and neutralizing the condensate with a basic or neutral metal compound including one or more of a metal oxide, a metal hydroxide, or a metal carbonate to form the organometallic phosphorus-providing antiwear additive or salt thereof.

[Figure 1]