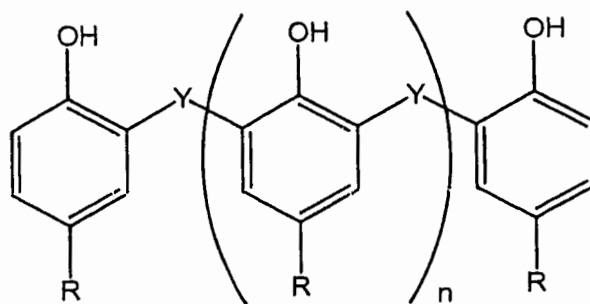


ABSTRACT

DETERGENT ADDITIVES FOR LUBRICATING OIL COMPOSITIONS

The present invention relates to a lubricating oil composition, comprising a major amount of an oil of lubricating viscosity and a detergent composition comprising (A) an overbased metal salt of an organic acid and (B) an oil-soluble hydrocarbyl phenol aldehyde condensate having the following structure:



Wherein n is 0 to 10, preferably 1 to 8, more preferably 2 to 6, and most preferably 3 to 5; Y is a divalent bridging group, and is preferably a hydrocarbyl group, preferably having from 1 to 4 carbon atoms; and R is a hydrocarbyl group having from 4 to 30, preferably 8 to 18, and most preferably 9 to 15 carbon atoms. The oil-soluble hydrocarbyl phenol aldehyde condensate has a weight average molecular weight (M_w) of 1250 to 1680, as measured by MALDI-TOF (Matrix Assisted Laser Desorption Ionization-Time of Flight) mass spectrometry.