

ABSTRACT

LINEAR ALKYLPHENOL DERIVED DETERGENT SUBSTANTIALLY FREE OF ENDOCRINE DISRUPTIVE CHEMICALS

Disclosed is a lubricating oil composition displaying reduced endocrine disruption response, comprising a major amount of an oil of lubricating viscosity; and a detergent comprising an unsulfurized alkali or alkaline earth metal salt of a reaction product of

(1) an olefin having at least 10 carbon atoms, wherein greater than 80 mole % of the olefin is a linear C₂₀-C₃₀ n-alpha olefin, wherein less than 10 mole % of the olefin is a linear olefin of less than 20 carbon atoms, and wherein less than 5 mole % of the olefin is branched chain olefin of 18 carbons or less, and

(2) a hydroxyaromatic compound.