

Overbased Metal Salts Useful As Additives For Fuels And Lubricants

ABSTRACT OF THE DISCLOSURE

Lubricants containing metal salts of hydrocarbyl-substituted carboxyalkylene-linked phenols, dihydrocarbyl esters of alkylene dicarboxylic acids, the alkylene group being substituted with a hydroxy group and an additional carboxylic acid group, or alkylene-linked polyaromatic molecules, the aromatic moieties whereof comprise at least one hydrocarbyl-substituted phenol and at least one carboxy phenol, where the hydrocarbyl groups are of sufficient length to provide oil solubility to the salt, exhibit good asphaltene suspension for marine diesel applications. Preferably the salts are overbased.