

Abstract

An object of the present invention is to provide a lubricant base oil having excellent biodegradability, excellent lubricating property (wear resistance) and excellent rust prevention property against sea water. An ester constituting a lubricant base includes: a component (A) derived from pentaerythritol in a molar percentage $A_{mol}\%$ of 20 to 30 mol%; a component (B) derived from a straight-chain fatty acid having a carbon number of 14 to 22 in a molar percentage $B_{mol}\%$ of 55 to 79 mol%; and a component (C) derived from adipic acid in a molar percentage $C_{mol}\%$ of 1 to 15 mol%. A molar ratio (C_{mol}/B_{mol}) of the component (C) derived from adipic acid and the component (B) derived from the straight-chain fatty acid having a carbon number of 14 to 22 is 0.02 to 0.25, and the ester has a hydroxyl value of 10 to 100 mgKOH/g.