

ABSTRACT

The present invention provides a gas oil composition that is excellent in life-cycle CO₂ emission properties and lubricity. The gas oil composition comprises a fraction and 50 to 300 ppm by mass of a lubricity improver (LI), the fraction being produced by bringing a feedstock comprising an animal or vegetable fat and/or a component originating therefrom and a sulfur-containing hydrocarbon compound mixed therewith so that the total sulfur content of the mixture is from 1 ppm by mass to 2 percent by mass, into contact with a catalyst comprising a porous inorganic oxide and the Groups 6A and 8 metals of the periodic table, supported thereon, under the specific hydrogenation conditions so that the composition has the specific T95, sulfur content, oxygen content, fatty acid alkyl ester content, acid number, glyceride content and the like.