

ABSTRACT

The hydrotreating method of the invention is characterized by obtaining a refined oil through a hydrotreating step wherein an oil to be treated containing an oxygen-containing hydrocarbon compound is contacted with a catalyst comprising a carrier containing a porous inorganic oxide composed of two or more elements selected from among aluminum, silicon, zirconium, boron, titanium and magnesium and at least one metal selected from among elements of Group 6A and Group 8 of the Periodic Table supported on the carrier, in the presence of hydrogen, under conditions with a hydrogen pressure of 2-13 MPa, a liquid space velocity of 0.1-3.0 h⁻¹, a hydrogen/oil ratio of 150-1500 NL/L and a reaction temperature of 150-380°C.