

ABSTRACT

REGENERATED HYDROTREATMENT CATALYST

The present invention relates to a regenerated hydrotreatment catalyst regenerated from a hydrotreatment catalyst for treating a petroleum fraction, the hydrotreatment catalyst being prepared by supporting
5 molybdenum and at least one species selected from metals of Groups 8 to 10 of the Periodic Table on an inorganic carrier containing an aluminum oxide, wherein a residual carbon content is in the range of 0.15 mass% to 3.0 mass%, a peak intensity of a molybdenum composite metal oxide with respect to an intensity of a base peak is in the range of
10 0.60 to 1.10 in an X-Ray diffraction spectrum, and a peak intensity of a Mo-S bond derived from a residual sulfur peak with respect to an intensity of a base peak is in the range of 0.10 to 0.60 in a radial distribution curve obtained from an extended X-ray absorption fine structure spectrum of an X-ray absorption fine structure analysis.

No Suitable Figure