ABSTRACT

A METHOD FOR HYDROPROCESSING FEEDSTOCKS CONTAINING VACUUM GAS OIL

The invention pertains to a hydroprocessing method of vacuum gas oil containing hydrocarbon feeds, in which the feed is contacted with a hydroprocessing catalyst under hydroprocessing conditions, wherein during the heating up period, which is a period starting with achieving a sulphur content below 0.5 wt.% and up to 1/3 of the total operating period, the heating up is performed in a stepwise fashion with a step width of 2-7°C and a heating rate of 5-15°C per 30 day period.

Preferably, the total temperature rise during the heating up period is 40°C or less. Preferably, the sulphur content in the product oil in the heating up period is 0.04 wt.% or more. The desulphurisation rate in the heating up period preferably is 98.5% or less. The heating up period preferably is at least 30 days, more preferably at least 60 days.

The operation is intended to effect simultaneous hydrodesulphurisation and mild hydrocracking with a good hydrodesulphurisation activity, an increased yield in light oils, and often an extension of the operation cycle length.

FIGURE NONE