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(54) Title: LUBE HYDROISOMERIZATION SYSTEM

(57) Abstract: The present invention relates to a process for converting wax with a heavy component to high quality lube basestocks using a unidimensional intermediate pore molecular sieve with near circular pore structures having an average diameter of 0.50 nm to 0.65 nm wherein the difference between the maximum diameter and the minimum is ≤ 0.05 nm followed by a molecular sieve Zeolite Beta catalyst. Both catalysts comprise one or more Group VIII metals. For example, a cascaded two-bed catalyst system consisting of a first bed Pt/ZSM-48 catalyst followed by a second bed Pt/Beta catalyst improves processing of heavy lubes.

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