

WAX HYDROISOMERIZATION PROCESS

ABSTRACT OF THE DISCLOSURE

This invention discloses a process for producing a high Viscosity Index lubricant having a VI of at least 125 from a waxy hydrocarbon feed having a wax content of at least 40 wt%. The process comprises catalytically dewaxing waxy paraffins present in the feed by isomerization in the presence of hydrogen and in the presence of a low acidity large pore zeolite isomerization catalyst. This catalyst has a ratio of $\text{SiO}_2/\text{Al}_2\text{O}_3$, as synthesized, of at least 200:1, wherein the catalyst is prepared in the absence of boron. The feed may be hydrocracked prior to dewaxing with the large pore zeolite. The effluent of the process may also be further dewaxed by either solvent or catalytic means in order to achieve target pour point.