

Title (en)
WAX HYDROISOMERIZATION PROCESS

Title (de)
HYDROISOMERISATIONSPROZESS VON WACHSEN

Title (fr)
PROCEDE D'HYDROISOMERISATION DE CIRES

Publication
EP 0799082 A1 19971008 (EN)

Application
EP 95941486 A 19951202

Priority
• US 9515461 W 19951202
• US 35850494 A 19941219

Abstract (en)
[origin: WO9626993A1] 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 SiO₂/Al₂O₃, 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.

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