

Title (en)

Process for the hydroisomerization of Fischer-Tropsch wax to produce lubricating oil.

Title (de)

Verfahren zur Hydroisomerisierung von Fischer-Tropsch-Wachs zur Herstellung von Schmieröl.

Title (fr)

Procédé d'hydro-isomérisation de la cire de Fischer-Tropsch en vue de la production d'une huile lubrifiante.

Publication

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Application

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Abstract (en)

Fischer-Tropsch wax is converted to a lubricating oil having a high viscosity index and a low pour point by first hydrotreating (R-1) the wax under relatively severe conditions and thereafter hydroisomerizing (R-2) the hydrotreated wax in the presence of hydrogen on a specified type of fluorided Group VIII metal-on-alumina catalyst. The hydroisomerate is then dewaxed (D-1) to produce a premium lubricating oil base stock. The preferred hydroisomerization catalyst is a fluorided platinum-on-alumina catalyst containing relatively low surface fluoride, a high concentration of aluminum fluoride hydroxide hydrate and a low nitrogen concentration.

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