

Title (en)

Preparing a high viscosity index, low branch index dewaxed oil

Title (de)

HERSTELLUNG VON SCHMIERÖL MIT HOHEM VISKOSITÄTSINDEX UND NIEDRIGEM VERZWEIGUNGSINDEX

Title (fr)

Préparation d' une huile lubrifiante à haut indice de viscosité et à bas indice de branchement.

Publication

EP 1354931 A2 20031022 (EN)

Application

EP 03014566 A 19990129

Priority

- EP 99904511 A 19990129
- US 7707098 P 19980306
- US 10783598 A 19980630

Abstract (en)

There is disclosed a process for preparing an oil suitable for use as a lubricating oil base stock comprising: a) contacting a waxy feed over a dewaxing catalyst comprising a molecular sieve having 1-D pores with an effective pore size of between 5.0A and 7.0A, and at least one Group VIII metal present in the form of the sulfide, at a pressure of from 15 psig (103 kPa) to 2500 psig (13.8 MPa) to produce an isomerised oil having a wax content of from 3 to 40% by weight of the wax contained in the waxy feed and a pour point of greater than 0 DEG C; and b) solvent dewaxing the isomerised oil of step (a) to produce a lubricating oil base stock, whereby the lubricating base oil so produced by steps (a) and (b) has a viscosity index greater than 140 and a pour point less than or equal to -10 DEG C. There is disclosed a process for preparing an oil suitable for use as a lubricating oil base stock comprising: a) contacting a waxy feed over a dewaxing catalyst comprising a molecular sieve having 1-D pores with an effective pore size of between 5.0A and 7.0A, and at least one Group VIII metal present in the form of the sulfide, at a pressure of from 15 psig (103 kPa) to 2500 psig (13.8 MPa) to produce an isomerised oil having a wax content of from 3 to 40% by weight of the wax contained in the waxy feed and a pour point of greater than 0 DEG C; and b) solvent dewaxing the isomerised oil of step (a) to produce a lubricating oil base stock, whereby the lubricating base oil so produced by steps (a) and (b) has a viscosity index greater than 140 and a pour point less than or equal to -10 DEG C.

IPC 1-7

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IPC 8 full level

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Cited by

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