

Title (en)

Synthetic lubricant base stock formed from high content branched chain acid mixtures

Title (de)

Aus mit einem hohen Gehalt an verzweigt-kettigen Säuremischungen hergestellte synthetische Grundschnieröle

Title (fr)

Base lubrifiante synthétique formée à partir de mélanges d'acides dont une grande partie à chaînes ramifiées

Publication

EP 0518567 B1 20000913 (EN)

Application

EP 92305169 A 19920605

Priority

US 71219091 A 19910607

Abstract (en)

[origin: EP0518567A1] An improved synthetic ester lubricant base stock formed by reacting a neopentyl polyol with a mixture of aliphatic monocarboxylic acids is provided. The mixture of acids includes straight-chain acids having from 5 to 10 carbon atoms and an iso-acid having from 7 to 10 carbon atoms, preferably iso-nonanoic acid, wherein the iso-acid is present in about 60-90 weight percent of the acid charge. The base stock is mixed with a conventional ester lubricant additive package to form a lubricant having a viscosity at 210 DEG F. of at least 7.0 centistokes with the resulting lubricants having a decreased tendency to form deposits in high temperature chain oil applications.

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C10M 105/38

IPC 8 full level

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Cited by

US6177387B1; CN1057113C; FR2734576A1; EP1281701A1; CN102260571A; EP1323815A3; US5503761A; EP0695797A3; AU2002310255B2; WO9832728A1; WO02099021A1; WO9637579A1; WO9808801A1; US6750182B1; WO2011026990A1; KR100899832B1; EP3307857B1

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