

Title (en)

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

Title (de)

Aus mit einem hohen Gehalt an verzweigten kettigen Säurenmischungen hergestellte synthetische Grundschmieröle.

Title (fr)

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

Publication

EP 0518567 A1 19921216 (EN)

Application

EP 92305169 A 19920605

Priority

US 71219091 A 19910607

Abstract (en)

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.

IPC 1-7

C10M 105/38

IPC 8 full level

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