

Title (en)
GEAR OIL COMPOSITIONS, METHODS OF MAKING AND USING THEREOF

Title (de)
SCHMIERÖLZUSAMMENSETZUNGEN SOWIE VERFAHREN ZU IHRER HERSTELLUNG UND VERWENDUNG

Title (fr)
COMPOSITIONS D'HUILE POUR ENGRENAGES, LEURS PROCÉDÉS DE FABRICATION ET LEUR UTILISATION

Publication
EP 2285942 A4 20120919 (EN)

Application
EP 09758998 A 20090521

Priority
• US 2009044772 W 20090521
• US 12880108 A 20080529

Abstract (en)
[origin: US2009298732A1] A gear oil composition is provided. The composition comprises a sufficient amount of an isomerized base oil in a base oil matrix comprising at least at least a polyalphaolefin for the gear oil composition to have for the gear oil composition to have an average volume change in a rubber seal between -10 and +10, a change in shore A hardness between -7 and +10 when tested with SRE NBR28 at 100° C., 168 hours per DIN53521 and DIN53505, a viscosity increase of less than 3% per US Steel S-200 oxidation stability test, a precipitation of less than 1% per US Steel S-200 oxidation stability test, and a Timken OK Load of greater than 60 lb. The isomerized base oil has consecutive numbers of carbon atoms and less than 10 wt % naphthenic carbon by n-d-M. In one embodiment, the sufficient amount of isomerized base oil ranges from 20 to 75 wt. % based on the total weight of the gear oil composition.

IPC 8 full level
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Citation (search report)
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• [I] US 2007238628 A1 20071011 - HAIRE MICHAEL J [US], et al
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• See references of WO 2009148837A2

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