

Title (en)
CRANKCASE LUBRICATING COMPOSITIONS

Title (de)
SCHMIERMITTELZUSAMMENSETZUNGEN FÜR KURBELGEHÄUSEN

Title (fr)
COMPOSITIONS LUBRIFIANTES POUR CARTERS

Publication
EP 0874885 A1 19981104 (EN)

Application
EP 96929022 A 19960826

Priority
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Abstract (en)
[origin: WO9710318A1] Lubricants with improved acid neutralization properties and excellent sludge and wear performance in the Seq. 5E test are formed using a detergent system comprising one or more alkali or alkaline earth metal salts of an oil soluble organic acid selected from the group consisting of sulfonic acids, phenols, sulfurized phenols, and carboxylic acids (including salicylic acids) wherein at least one metal salt is overbased and the ratio of inorganic to organic salt present in the detergent system expressed as TBN from inorganic salts (the overbasing) to the total moles of organic salt is at least 2500. Further improvement in acid neutralization is possible by keeping the amount of dispersant nitrogen added to the basestock (independent of any nitrogen present in the basestock) below 0.053 wt.% and using a zinc dihydrocarbyl dithiophosphate system wherein at least half of the hydrocarbyl groups are secondary alkyl groups.

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IPC 8 full level
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