

Title (en)  
METHOD FOR IMPROVING DEPOSIT CONTROL AND CLEANLINESS PERFORMANCE IN AN ENGINE LUBRICATED WITH A LUBRICATING OIL

Title (de)  
VERFAHREN ZUR VERBESSERUNG DER ABLAGERUNGSKONTROLLE UND DER SAUBERKEITSLISTUNG IN EINEM MIT SCHMIERÖL GESCHMIERTEN MOTOR

Title (fr)  
PROCÉDÉ POUR AMÉLIORER LA RÉGULATION DE DÉPÔTS ET LES PERFORMANCES DE PROPRETÉ DANS UN MOTEUR LUBRIFIÉ AVEC UNE HUILE LUBRIFIANTE

Publication  
**EP 3655510 A1 20200527 (EN)**

Application  
**EP 18746440 A 20180709**

Priority  
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• US 2018041214 W 20180709

Abstract (en)  
[origin: WO2019018145A1] A method for improving deposit control and cleanliness performance in an engine lubricated with a lubricating oil by using as the lubricating oil a formulated oil. The formulated oil comprises a lubricating oil base stock as a major component, and a mixture of (i) at least one dispersant, and (ii) at least one viscosity modifier, as minor components. The at least one dispersant and the at least one viscosity modifier are present in an amount sufficient to have a critical dispersant thickening ratio of greater than 0.33. The critical dispersant thickening ratio is determined in accordance with the formula:  $\sum [Gn] \cdot dV/d[Gn] / \sum [Bm] \cdot dV/d[Bm]$ ; wherein [Gn] is the weight percent of each of n dispersants in the formulated oil, [Bm] is the weight percent of each of m viscosity modifiers in the formulated oil, dV/d[Gn] is the kinematic viscosity (Kv100) increase of the lubricating oil per the weight percent of each of n dispersants in the formulated oil, and dV/d[Bm] is the kinematic viscosity (Kv100) increase of the lubricating oil per the weight percent of each of m viscosity modifiers in the formulated oil.

IPC 8 full level  
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Citation (search report)  
See references of WO 2019018145A1

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