

Title (en)

LOW-ASH LUBRICATING OILS FOR DIESEL ENGINES

Title (de)

SCHMIERÖLE MIT GERINGEM ASCHEGEHALT FÜR DIESELMOTOREN

Title (fr)

HUILES DE GRAISSAGE À FAIBLE TENEUR EN CENDRES POUR MOTEURS DIESELS

Publication

EP 2558557 A1 20130220 (EN)

Application

EP 11716713 A 20110411

Priority

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- US 2011031887 W 20110411

Abstract (en)

[origin: WO2011130142A1] The lubricant for a sump-lubricated, compression-ignited engine may contain an amount of a C12-C24 carboxylic acid-based fuel additive or component obtained by migration from the fuel. Good lubricant performance is obtained by including in the lubricant a boron-containing additive in an amount to provide about 2 to about 500 ppm B to the lubricant, provided that the total sulfated ash level is less than 0.8 weight percent.

IPC 8 full level

C10M 133/16 (2006.01); **C10N 10/04** (2006.01); **C10N 30/04** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)

C10M 133/16 (2013.01 - EP US); **C10M 163/00** (2013.01 - US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2205/00** (2013.01 - EP US); **C10M 2207/18** (2013.01 - EP US); **C10M 2207/281** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/42** (2020.05 - EP US); **C10N 2030/45** (2020.05 - EP US); **C10N 2030/78** (2020.05 - EP US); **C10N 2040/253** (2020.05 - EP US)

Citation (search report)

See references of WO 2011130142A1

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