

Title (en)  
LUBRICATING COMPOSITIONS FOR DIESEL PARTICULATE FILTER PERFORMANCE

Title (de)  
SCHMIERMITTELZUSAMMENSETZUNG FÜR DIESELPARTIKELFILTERLEISTUNG

Title (fr)  
COMPOSITIONS LUBRIFIANTES POUR LA PERFORMANCE DE FILTRE À PARTICULES DIESEL

Publication  
**EP 3927796 B1 20230329 (EN)**

Application  
**EP 20721807 A 20200422**

Priority  
• US 201916288372 A 20190228  
• IB 2020053824 W 20200422

Abstract (en)  
[origin: US2020277541A1] A lubricating oil composition and method of lubricating an engine equipped with a diesel particulate filter using the lubricating oil composition. The lubricating oil composition may contain greater than 50 wt. % of a base oil of lubricating viscosity, an amount of one or more calcium-containing detergents to provide less than 1700 ppm calcium, an amount of one or more magnesium-containing detergents to provide less than 450 ppm magnesium, an amount of one or more molybdenum-containing compounds to provide less than 450 ppm molybdenum, from about 700 ppm to about 900 ppm of phosphorus, and a total sulfated ash content of no greater than 1.0 wt. %, all as measured by ASTM D874, based on the total weight of the lubricating oil composition; and a ratio, in ppm, of calcium from the one or more calcium-containing detergents to magnesium from the one or more magnesium-containing detergents of 1:1 or more.

IPC 8 full level  
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**C10M 129/54** (2013.01 - US); **C10M 135/10** (2013.01 - US); **C10M 137/10** (2013.01 - US); **C10M 141/10** (2013.01 - US);  
**C10M 163/00** (2013.01 - EP KR); **C10M 169/04** (2013.01 - US); **C10M 2203/003** (2013.01 - US); **C10M 2203/1025** (2013.01 - EP KR);  
**C10M 2205/022** (2013.01 - EP KR); **C10M 2207/144** (2013.01 - KR US); **C10M 2219/046** (2013.01 - EP KR US); **C10M 2223/045** (2013.01 - US);  
**C10N 2010/04** (2013.01 - EP KR); **C10N 2010/12** (2013.01 - EP KR); **C10N 2030/04** (2013.01 - US); **C10N 2030/40** (2020.05 - EP KR);  
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**C10N 2040/25** (2013.01 - EP KR US); **C10N 2040/253** (2020.05 - EP KR); **C10N 2040/255** (2020.05 - EP KR)

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