

Title (en)  
LUBRICATING COMPOSITION

Title (de)  
SCHMIERMITTELZUSAMMENSETZUNG

Title (fr)  
COMPOSITION LUBRIFIANTE

Publication  
**EP 3158034 A1 20170426 (EN)**

Application  
**EP 15729492 A 20150617**

Priority  
• US 201462014468 P 20140619  
• EP 2015063640 W 20150617

Abstract (en)  
[origin: WO2015193395A1] A lubricating composition for use in the crankcase of an engine comprising (i) a base oil; (ii) one or more organo-molybdenum compounds at a level sufficient to provide from 100 to 1000 ppmw of molybdenum; and (iii) from 0.2 wt% to 5.0 wt%, by weight of the lubricating composition, of one or more organic polymeric friction reducing additives, wherein the one or more organic polymeric friction reducing additives has a molecular weight ranging from 1000 to 30000 Daltons and is the reaction product of: a) a hydrophobic polymeric sub unit which comprises a hydrophobic polymer selected from polyolefins, polyacrylics and polystyrenyls; b) a hydrophilic polymeric sub unit which comprises a hydrophilic polymer selected from polyethers, polyesters, polyamides; c) optionally at least one backbone moiety capable of linking together polymeric sub units; and d) optionally a chain terminating group. The lubricating composition provides improvements in terms of reduced friction and wear, in addition to improved fuel economy performance.

IPC 8 full level  
**C10M 163/00** (2006.01); **C10M 169/04** (2006.01)

CPC (source: CN EP RU US)  
**C10M 129/76** (2013.01 - US); **C10M 133/08** (2013.01 - US); **C10M 139/00** (2013.01 - US); **C10M 159/18** (2013.01 - RU); **C10M 163/00** (2013.01 - CN EP RU US); **C10M 169/04** (2013.01 - RU); **C10M 169/044** (2013.01 - EP US); **C10M 169/045** (2013.01 - CN); **C10M 2205/02** (2013.01 - CN EP US); **C10M 2205/026** (2013.01 - CN EP US); **C10M 2205/04** (2013.01 - CN EP US); **C10M 2205/173** (2013.01 - CN EP US); **C10M 2207/02** (2013.01 - CN EP US); **C10M 2207/026** (2013.01 - CN EP US); **C10M 2207/028** (2013.01 - CN EP US); **C10M 2207/262** (2013.01 - CN EP US); **C10M 2207/283** (2013.01 - US); **C10M 2207/34** (2013.01 - CN EP US); **C10M 2209/084** (2013.01 - CN EP US); **C10M 2209/102** (2013.01 - CN EP US); **C10M 2209/11** (2013.01 - CN EP US); **C10M 2209/111** (2013.01 - CN EP US); **C10M 2209/112** (2013.01 - CN EP US); **C10M 2209/112** (2013.01 - CN EP US); **C10M 2215/064** (2013.01 - CN EP US); **C10M 2215/082** (2013.01 - CN EP US); **C10M 2215/26** (2013.01 - CN EP US); **C10M 2215/28** (2013.01 - CN EP US); **C10M 2217/044** (2013.01 - CN EP US); **C10M 2219/046** (2013.01 - CN EP US); **C10M 2219/068** (2013.01 - CN); **C10M 2223/042** (2013.01 - CN EP US); **C10M 2223/045** (2013.01 - CN EP US); **C10M 2227/09** (2013.01 - US); **C10N 2010/12** (2013.01 - CN EP US); **C10N 2020/02** (2013.01 - CN EP US); **C10N 2020/04** (2013.01 - CN EP US); **C10N 2030/02** (2013.01 - CN EP US); **C10N 2030/06** (2013.01 - CN EP US); **C10N 2030/54** (2020.05 - CN EP US); **C10N 2030/68** (2020.05 - CN EP US); **C10N 2040/25** (2013.01 - CN EP US)

C-Set (source: CN EP US)  
1. **C10M 2219/068 + C10N 2010/12**  
2. **C10M 2223/045 + C10N 2010/12**  
3. **C10M 2215/26 + C10N 2010/12**  
4. **C10M 2207/02 + C10N 2010/12**  
5. **C10M 2215/082 + C10N 2010/12**  
6. **C10M 2223/042 + C10N 2010/04**  
7. **C10M 2207/262 + C10N 2010/04**  
8. **C10M 2207/028 + C10N 2010/04**  
9. **C10M 2219/046 + C10N 2010/04**

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Designated extension state (EPC)  
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