

Title (en)
Low emission diesel lubricant with improved corrosion protection

Title (de)
Emissionsarmes Schmiermittel mit verbessertem Korrosionsschutz

Title (fr)
Lubrifiant à faible émission avec une protection améliorée contre la corrosion

Publication
EP 1479752 A3 20091028 (EN)

Application
EP 04252592 A 20040504

Priority
US 44433303 A 20030522

Abstract (en)
[origin: EP1479752A2] The present invention provides engine lubricants for low emission diesel engines featuring low levels of ash, sulfur and phosphorus. Specifically, this invention provides a low emission diesel lubricant comprising from about 0 wt. % to about 1.2 wt. % ash; from about 0.1 wt. % to about 0.5 wt. % sulfur; and from about 0.02 wt. % to about 0.1 wt. % phosphorus. Said lubricant may also comprise a novel unsulfurized, carboxylate-containing additive for lubricating oils, comprising a mixture of alkaline earth metal salts (hydrocarbyl phenate/hydrocarbyl salicylate) and a reduced amount of unreacted hydrocarbyl phenols, in which said hydrocarbyl salicylate is primarily single-aromatic-ring hydrocarbyl salicylate. The invention also provides a method for producing said additive and said low emission diesel lubricant (LEDL).

IPC 8 full level
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Citation (search report)

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