

Title (en)
Multiring aromatics for enhanced deposit control

Title (de)
Polycyclische aromatische Verbindungen für verbessertes Niederschlagskontroll

Title (fr)
Composés aromatiques polycycliques pour le contrôle amélioré des dépôts

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Application
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Abstract (en)
The present invention provides for lubricating oil compositions, and method of making same, comprising the synergistic combination of a synthetic lube base stock, a copper containing antioxidant and a deposit control enhancing amount of an oil soluble or oil dispersible multiring aromatic compound, typically 2, 3 and 4 ring multiring aromatics. Typically these are added in a minor amount of less than 25 wt%. The invention has utility in lube applications.

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Citation (search report)
• [A] WO 8900186 A1 19890112 - LUBRIZOL CORP [US]
• [A] GB 815802 A 19590701 - EXXON RESEARCH ENGINEERING CO
• [A] US 3026263 A 19620320 - ARIMOTO FRED S
• [A] EP 0444830 A1 19910904 - ETHYL PETROLEUM ADDITIVES LTD [GB]
• [A] EP 0330523 A2 19890830 - EXXON CHEMICAL PATENTS INC [US]

Cited by
EP0863965A4; EP1967571A1; US6764983B1; WO2008102114A1

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