

Title (en)  
Lubricant composition.

Title (de)  
Schmierölszusammensetzung.

Title (fr)  
Composition lubrifiante.

Publication  
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Application  
**EP 89810410 A 19890601**

Priority  
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Abstract (en)  
[origin: US5091099A] Phosphite-free lubricating oil composition which comprises a) a mineral oil or a synthetic oil or a mixture thereof, and b) a mixture containing at least one aromatic amine of the formula (I), <IMAGE> (I) in which R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>3'</sup> are as defined in claim 1, and at least one phenol of the formula <IMAGE> (II) in which R<sup>4</sup>, R<sup>5</sup> and A are as defined in claim 1, and the compounds are present in the mixture in a ratio of 2 to 6 parts by weight of the aromatic amine(s) of the formula I to 1 part by weight of the phenol(s) of the formula II. The lubricating oil compositions are highly resistant to ageing and are effective in preventing black sludge formation.

Abstract (de)  
Phosphitfreie Schmierölszusammensetzung enthaltend a) ein Mineralöl oder ein synthetisches Öl oder eine Mischung davon und b) eine Mischung wenigstens eines aromatischen Amins der Formel <IMAGE> wobei R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> und R<sup>3'</sup> die in Anspruch 1 angegebene Bedeutung haben und wenigstens eines Phenols der Formel <IMAGE> wobei R<sup>4</sup>, R<sup>5</sup> und A die in Anspruch 1 angegebene Bedeutung haben, und in der Mischung die Verbindungen in einem Mischverhältnis von 2 bis 6 Gewichtsteilen des oder der aromatischen Amins der Formel I zu 1 Gewichtsteil des oder der Phenole der Formel II vorliegen. Die Schmierölszusammensetzungen weisen eine hohe Alterungsbeständigkeit auf und verhindern wirksam die Schwarzschlammabildung.

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