

Title (en)

Overbased detergents for lubricating oils containing a phosphorus organic derivative and lubricating compositions containing the same.

Title (de)

Überbasierte Detergensmittel für Schmieröle, die ein organisches Derivat von Phosphor enthalten und diese enthaltende Schmierölszusammensetzungen.

Title (fr)

Détergents surbasés pour huiles lubrifiantes contenant un dérivé organique du phosphore et compositions lubrifiantes renfermant lesdits détergents.

Publication

**EP 0438942 A1 19910731 (FR)**

Application

**EP 90403692 A 19901220**

Priority

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Abstract (en)

Overbased detergent for lubricating oils, obtained by carbonation of a mixture containing a detergent chosen from alkali or alkaline-earth metal sulphonates, naphthenates, salicylates, phosphonates and thiophosphonates, an alkali or alkaline-earth metal oxide, hydroxide or alcoholate, a nitrogenous and/or oxygen-containing promoter, at least 3 % by weight of phosphorus in the form of a nonmetallic organic derivative, a hydrocarbon solvent and optionally a diluent oil and water. These detergents contain 0.5 to 10 % and preferably 1 to 5 % by weight of phosphorus. They have greatly improved antiwear and antioxidant properties.

Abstract (fr)

Détergent surbasé pour huiles lubrifiantes obtenu par carbonatation d'un mélange renfermant un détergent choisi parmi les sulfonates, naphthénates, salicylates, phosphonates et thiophosphonates alcalins ou alcalinoterreux, un oxyde, hydroxyde ou alcoolate alcalin ou alcalinoterreux, un promoteur azoté et/ou oxygéné, au moins 3% poids de phosphore sous forme de dérivé organique non-métallique, un solvant hydrocarboné et éventuellement une huile diluante et de l'eau. Ces détergents renferment 0,5 à 10% et de préférence 1 à 5% poids de phosphore. Ils ont des propriétés antiusure et antioxydantes très améliorées.

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Citation (search report)

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