

Title (en)

THERMALLY STABLE COMPOSITIONS AND LUBRICANTS AND FUNCTIONAL FLUIDS CONTAINING THE SAME.

Title (de)

Thermisch stabile Zusammensetzungen und diese enthaltende Schmiermitteln und funktionelle Flüssigkeiten.

Title (fr)

COMPOSITIONS THERMIQUEMENT STABLES ET LUBRIFIANTS ET FLUIDES FONCTIONNELS LES CONTENANT.

Publication

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Application

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Abstract (en)

[origin: WO9219703A1] This invention relates to a composition, comprising: (A) at least one basic alkali or alkaline earth metal salt of an acidic organic compound; (B) at least one metal deactivator other than dimercaptothiadiazole or derivatives thereof; and (C) at least one hydrocarbyl phosphite, wherein the ratio of the equivalents of (A) based on the total base number to the equivalents of (C) based on phosphorus atoms is at least one, provided that the composition is free of zinc dithiophosphate and provided that when (A) is an overbased magnesium salicylate then the composition contains (D) up to about 0.40 % by weight of a sulfur-, phosphorus-, or sulfur- and phosphorus-containing antiwear agent. These compositions are useful as additives for lubricants and functional fluids, particularly hydraulic fluids, gear oils, greases and the like. The lubricants and fluids having this particular combination of components have improved thermal stability and do not contain zinc dithiophosphate. These lubricants and fluids are also not corrosive to the hydraulic system components.

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