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(54) **Lubricating oil compositions having excellent thermal stability, extreme pressure resistance and anti-wear performance**

(57) The present invention relates to a lubricating oil composition for use in industrial oils such as hydraulic oils, bearing oils, industrial gear oils and sliding surface lubricating oils.

In its broadest aspect, the present invention comprises a lubricating oil composition having a major amount of a base oil of lubricating viscosity and a minor, but effective amount, of

A. at least one a compound selected from the group consisting of a phosphoric acid ester, a thiophosphoric acid ester, and amine salts thereof;

B. a phosphorus acid ester and/or an amine thereof;
and

C. at least one compound selected from the group consisting of an alkenyl succinimide, an alkenyl succinic acid ester, benzylamine, and derivatives thereof.

The lubricating oil composition of the present invention provides excellent thermal stability, extreme pressure resistance and anti-wear performance.

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EUROPEAN SEARCH REPORT

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EP 01 30 3441

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 00 01790 A (LUBRIZOL CORP) 13 January 2000 (2000-01-13) * page 3, line 22 - page 4, line 26 * * page 6, line 7 - line 19 * * page 7, line 26 - line 29 * * page 31, line 5 - line 35 * * page 20, line 7 - line 13; example V * ---	1-36	C10M141/10 //(C10M141/10, 129:95,133:52, 133:56,137:02, 137:04,137:08, 137:10), C10N30:06, C10N40:04, C10N40:08
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X	US 4 717 490 A (SALENTINE CHRISTOPHER G) 5 January 1988 (1988-01-05) * column 4, line 22 - line 62; claims 1,8 * ---	1-36	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 October 2002	Examiner Rotsaert, L
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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THE HAGUE	10 October 2002	Rotsaert, L	
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