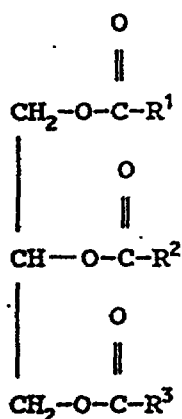


ABSTRACT

A Two-Stroke Cycle Lubricant Composed of a
Vegetable Oil and an Additive Package

This invention relates to a nitrogen-containing soluble organic composition comprising a combination of:

(A) at least one natural oil comprising an animal oil or vegetable oil comprising a triglyceride of the formula



Formula I

wherein R^1 , R^2 and R^3 are independently saturated or unsaturated aliphatic hydrocarbyl groups containing from about 8 to about 24 carbon atoms and

(B) (I) a detergent/dispersant comprising at least one acylated, nitrogen-containing compound having a substituent of at least 10 aliphatic carbon atoms made by reacting a carboxylic acylating agent with at least one amino compound containing at least one -NH group, said acylating agent being linked to said amino compound through an imido, amido, amidine, or acyloxy ammonium linkage.

In another embodiment, the invention comprises a nitrogen-containing soluble organic composition comprising a combination of:

(A) the natural oil as described above with

(B) at least one detergent-dispersant selected from the group consisting of

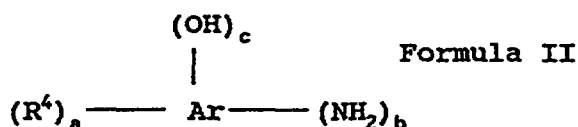
(I) the acylated, nitrogen-containing compound as described above,

(II) at least one neutral or basic metal salt of an organic sulfur acid, phenol or carboxylic acid;

(III) at least one hydrocarbyl-substituted amine wherein the hydrocarbyl substituent is substantially aliphatic and contains at least 12 carbon atoms with the proviso that said amine is not the amino phenol (C); and

(IV) at least one nitrogen-containing condensate of a phenol, aldehyde and amino compound having at least one -NH group; and

(C) at least one amino phenol of the general formula



wherein R^4 is a substantially saturated, hydrocarbon-based substituent of at least 10 aliphatic carbon atoms; a, b and c are each independently in integer of one up to three times the number of aromatic nuclei present in Ar with the proviso that the sum of a, b and c does not exceed the unsaturated valences of Ar; and Ar is an aromatic moiety having 0-3 optional substituents selected from the group consisting of lower alkyl, lower alkoxy, nitro, halo or combinations of two or more of said substituents.