

Title (en)

OPERATING FLUID FOR LIFETIME LUBRICATED INTERNAL COMBUSTION ENGINES

Title (de)

FUNKTIONSFLÜSSIGKEIT FÜR LEBENSDAUERGESCHMIERTE VERBRENNUNGSMOTOREN

Title (fr)

LIQUIDE DE FONCTIONNEMENT POUR MOTEURS A COMBUSTION INTERNE A GRAISSAGE A VIE

Publication

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Application

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Abstract (en)

[origin: DE19647554A1] The invention relates to an operating fluid which can be efficiently used for lifetime lubrication and cooling of an internal combustion engine. As basic liquid, said fluid contains a polyalkylene glycol obtained from ethylen oxide and propylen oxide and an additive compound, consisting of a) 0.012 -1.0 wt.% of a reaction product from diphenylamine and 2.4.4.-trymethylpentene; b) 0.01-1.0 wt.% of a pentaerythrite partially or totally esterified with an alkyl-substituting p-hydroxy propionic acid; c) 0.01-1.0 wt.% of a mono- or di-(C4-C8)alkyl phosphoric acid-(C10-C15) alkylamide; d) 0.01-1.0 wt.% of the triphenylthiophosphate; e) 0.01-0.1 wt.% of a tolutriazole aminoethylized with a straight chain or branched alkyl group with 2-10 carbon atoms and/or f) 0.01-0.1 wt.% of the 1H-benzotriazole.

IPC 1-7

C10M 169/04

IPC 8 full level

C10M 107/34 (2006.01); **C10M 129/76** (2006.01); **C10M 133/12** (2006.01); **C10M 133/44** (2006.01); **C10M 137/02** (2006.01); **C10M 137/10** (2006.01); **C10M 159/12** (2006.01); **C10M 169/04** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP KR US)

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