

Title (en)  
Compositions based on mineral oil and an additive mixture

Title (de)  
Zusammensetzungen aus Mineralöl und einer Additivmischung

Title (fr)  
Compositions à base d'huile minérale et d'un mélange d'additifs

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Application  
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Abstract (en)  
[origin: WO2005040316A2] The invention relates to an additive mixture as component of mineral oil compositions, comprising as main component and trace proportions of the additive mixture the following additive components a) ethylene vinyl ester copolymers with molecular mass weight averages of 3,000 to 50,000 and an ethylene proportion of 50 to 90 mass %, b) mixed esters of glycerine, in which 50 to 80 mol % of the hydroxy groups are esterified with unsaturated C12-C40 monocarboxylic acids and 20 to 50 mol % of the hydroxy groups are esterified with partially imidated and/or partially esterified maleic acid anhydride copolymers and/or c) partially and/or completely imidated copolymers of maleic acid anhydride and alpha -methylstyrol with molecular mass number averages of 1,500 to 15,000 and at least one terminal group based on dimeric alpha -methylstyrol, and/or d) wax compositions based on natural starting materials of type d1) wax-like oligomeric esters based on glyceryl monostearate and dimeric acids and/or d2) waxy esters with the consistency of vaseline, based on at least two different straight chain and/or branched C14-C36 alcohols and dimeric acids, whereby the content of the additive mixture in the mineral oil is 0.005 to 1 mass % and the mass proportions of the additive components a/b, or a/c, or a/d is 10: 90 to 90: 10 respectively. The mineral oil compositions are suitable as low temperature flow transportable media and as mineral oil fuels with high ease of flow.

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