

Title (en)
HYDRAULIC FLUIDS

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Abstract (en)
[origin: EP0412271A1] The invention relates to aqueous hydraulic fluids of low flammability, which are environmentally acceptable and have lubricating properties. Known hydraulic fluids based on oil-in-water emulsions (HFA) are metastable systems, so that temperature fluctuations and electrolytes have a critical effect on the system. In the case of systems thickened by polymers, the shear stability is inadequate. In HFC fluids, high use concentrations are necessary to produce a minimum viscosity. The novel hydraulic fluids are intended not to show these disadvantages. For this purpose, aqueous hydraulic fluids are proposed which contain 5 - 30 % by weight of an alkyl polyglycoside and up to 20 % by weight of surfactant-type additives and also up to 10 % by weight of other conventional additives. These novel hydraulic fluids have advantageous lubricating activities at a low active compound concentration.

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