

Title (en)

Mineral oil based transmission fluid.

Title (de)

Kraftübertragungsflüssigkeit auf Basis Mineralöl.

Title (fr)

Fluide de transmission de puissance à base d'huile minérale.

Publication

**EP 0436872 A2 19910717 (DE)**

Application

**EP 90124345 A 19901215**

Priority

DE 4000753 A 19900112

Abstract (en)

Hydraulic fluids, predominantly for hydrokinetic drives, also called automatic transmission fluids (ATF), are based on mineral oil, the base oil being a paraffin-based oil raffinate having viscosities of about 4 mm<sup>2</sup>s<sup>-1</sup> at 100 DEG C, with additives necessary for this application, with the exclusion of polyisobutylene-based dispersants, having been added thereto, and are formulated in such a way that they have Brookfield viscosities from less than 30,000 to less than 20,000 mPas at -40 DEG C. The decrease in viscosity at low temperatures is made possible by replacing the polyisobutylene-based dispersant by a dispersant based on polyalkyl (meth)acrylate.

Abstract (de)

Hydraulikflüssigkeiten, vorwiegend für den hydrokinetischen Antrieb, auch Automatic Transmission Fluids (ATF) genannt, auf Basis Mineralöl, wobei das Grundöl ein paraffinbasiertes Ölraffinat mit Viskositäten bei 100 °C von ca. 4 mm<sup>2</sup>s<sup>-1</sup> ist, und dem für diesen Verwendungszweck notwendige Additive, unter Ausschluß von Dispergiermitteln auf Polyisobutylenbasis, zugesetzt sind, und die so formuliert, bei -40 °C, Brookfield-Viskositäten unter 30.000 bis unter 20.000 mPas aufweisen. Die Viskositätssenkung bei tiefen Temperaturen wird durch Ersatz des Dispergiermittels auf Polyisobutylenbasis durch ein solches auf Polyalkyl(meth)acrylatbasis möglich.

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