

Title (en)
RAPID ANALYSIS OF FUNCTIONAL FLUIDS

Title (de)
SCHNELLANALYSE FUNKTIONELLER FLÜSSIGKEITEN

Title (fr)
ANALYSE RAPIDE DES FLUIDES FONCTIONNELS

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Application
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Abstract (en)
[origin: WO2006112827A1] The invention relates to a method to analyze the condition of a functional fluid comprising: (1) obtaining a sample of the used fluid; (2) placing the sample of the fluid to a test medium; (3) reacting the fluid with an indicator in the test medium; (4) analyzing visually the results of the reactor resulting in the determination of the condition of the fluid. Further an apparatus for analyzing functional fluids is disclosed in the form of a test medium consisting of an absorbent or nonabsorbent material which has been treated with a chemical indicator, marker substance or a developer or detector reagent upon which a sample of the fluid to be tested is placed. The components in the treated test medium react with components in the test fluid providing a visual indication, for example a color change, to judge the condition, the presence of a marker substance or another parameter of the fluid. The functional fluid may be a lubricant, fuel or other functional fluid of innumerable sources, including internal combustion engines, turbines, transmissions, differentials, pumps, metalworking operations, cooling systems, etc, and be either organic solvent or aqueous based.

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Citation (search report)
See references of WO 2006112827A1

Citation (examination)
• US 5313824 A 19940524 - HERGUTH WILLIAM R [US], et al
• US 3498751 A 19700303 - NEWHART JAMES E, et al
• DATABASE WPI Week 197946, Derwent World Patents Index; AN 1979-83419B

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