

Title (en)

Method and system for modifying a used hydrocarbon fluid to create a cylinder oil

Title (de)

Methode und System für die Modifizierung eines gebrauchten Kohlenwasserstoff-Fluids zur Herstellung eines Zylinderöls

Title (fr)

Méthode et système permettant la modification d'un liquide hydrocarboné utilisé afin de créer une huile pour cylindre

Publication

**EP 1640442 B1 20090826 (EN)**

Application

**EP 04388064 A 20040924**

Priority

EP 04388064 A 20040924

Abstract (en)

[origin: EP1640442A1] This invention relates to a method (and a corresponding system) of creating a cylinder oil, the method comprising modification of at least one initial fluid (101) by determining the TBN(s) of the at least one initial fluid, determining a desired TBN of a cylinder oil (102) and adjusting the TBN(s) of the at least one initial fluid (101) accordingly by blending the at least one initial fluid (101) with suited additive(s) (103). In this way, a method (and system) for modifying initial fluid(s) to create a cylinder oil by adjusting TBN is obtained. This provides significant economical benefits since lubricants that otherwise would have to be disposed of can be re-used as a total-loss cylinder lubricant. Further cylinder oil does not have to be purchased. The oil(s) used to blend the cylinder oil is/are of more consistent quality as it is replenished contrary to the traditional practice which reduces machinery wear, etc. Thus, the replenishment of the initial fluid(s) provides enhanced and consistent performance of the initial fluids resulting in greatly reduced component wear and equipment lifecycle cost. Even further, a more environmentally friendly method/system is provided since waste, in the form of spent oil(s) that is discarded after prolonged use, is reduced as it is converted into a cylinder oil.

IPC 8 full level

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