

Title (en)
MARINE LUBRICANT FOR TWO-STROKE ENGINE

Title (de)
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Title (fr)
LUBRIFIANT MARIN POUR MOTEUR DEUX TEMPS

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Application
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Abstract (en)
[origin: US6528459B1] The invention concerns a lubricant for a two-stroke slow speed crosshead marine engine, powered with a fuel with sulfur content not less than 1%, consisting of a mixture of distillates used as lubricating bases containing x wt. % of dispersing additive of the succinimide type, y wt. % of an overbased detergent additive of the sulfonate type, and z wt. % of an overbased detergent additive of the phenate type. The invention is characterized in that x, y and z are selected in the intervals $0.5 \leq x \leq 2.5$, $2.5 \leq y \leq 10$ and $11 \leq z \leq 24.5$ such that $15 \leq x+y+z \leq 36$ and $1.5 \leq y/x \leq 13$, the BN of the lubricant, determined according to the ASTM D-2896 standard, is not less than 70 mg KOH/g, and the speed at which sulfuric acid is neutralized by the lubricant, defined by the maximum speed of pressure increase of a closed chamber, with its walls covered with a film of said lubricant from 80 to 100 μm thick, maintained at 100° C., wherein is introduced a known amount of sulfuric acid, has a value not less than 11×10^2 Pa/s at 100° C.

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