

ABSTRACT**CYLINDER LUBRICANT FOR A TWO-STROKE MARINE ENGINE**

5

The present invention relates to a cylinder lubricant having a BN determined according to the standard ASTM D-2896 greater than or equal to 15 milligrams of potash per gram of lubricant, comprising:

- (a) one or more lubricant base oils for marine engines,
 - 10 (b) at least one detergent based on alkali or alkaline-earth metals, overbased with metallic carbonate salts,
 - (c) at least one neutral detergent,
 - (d) one or more oil-soluble alkoxylated fatty amines, having a BN determined according to the standard ASTM D-2896 comprised between 100 and 600
 - 15 milligrams of potash per gram,
- where the percentage by mass of alkoxylated fatty amines with respect to the total weight of lubricant is chosen such that the BN provided by these compounds represents a contribution comprised between 2 and 8 milligrams of potash per gram of lubricant,
- 20 and where the BN provided by the metallic carbonate salts represents a contribution of at the most 65% of the total BN, measured according to the standard ASTM D2896, of said cylinder lubricant.

This lubricant has a sufficient neutralizing power vis-à-vis sulphuric acid formed during the combustion of high-sulphur fuel oils, whilst limiting the formation

25 of deposits during the use of low-sulphur fuel oils. Its thermal behaviour and its anti-wear properties are improved.

(Figure No. 1)