CLAIMS

1. Cylinder lubricant having a BN determined according to the standard ASTM D–2896 greater than or equal to 40 milligrams of potash per gram of lubricant, comprising a lubricant base stock for marine engines and at least one overbased detergent based on alkali metals or alkaline-earth metals, characterized in that it also contains

   - a quantity of ~~0.01% to 10% preferably~~ 0.1% to 2% by weight relative to the total weight of the lubricant, of one or more (A) compounds chosen from the primary, secondary or tertiary monoalcohols the alkyl chain of which is saturated or comprises at most two unsaturations of the ethylenic double bond type, said chain is ~~or alkylene chain of which is saturated or unsaturated,~~ linear or branched and comprises at least 12 carbon atoms.

~~2. Cylinder lubricant according to claim 1 comprising from 0.1% to 2% by weight of (A) compounds in relation to the total weight of the lubricant.~~

3.2. Cylinder lubricant according to claim 1 ~~or 2~~ having a determined BN comprised in the range from 40 to 70 milligrams of potash per gram of lubricant~~, preferably from 50 to 60, or preferably from 50 to 58, or also preferentially equal to 55 milligrams of potash per gram of lubricant~~.

4.3. Cylinder lubricant according to one of claims 1 ~~to~~ or~~3~~ 2 in which the A compound or compounds is (are) chosen from the heavy monoalcohols which have a linear main alkyl chain having 12 to 24 carbon atoms, this linear chain being optionally substituted by one or more alkyl groups having 1 to 23 carbon atoms.

5.4. Cylinder ~~Lubricant~~ lubricant according to one of claims 1 to ~~4~~ 3 in which the A compound or compounds is (are) chosen from the myristic, palmitic, cetylic, stearic, eicosenoic, behenic alcohols .

6.5. Cylinder ~~Lubricant~~ lubricant according to one of claims 1 to ~~5~~ 3 in which the A compound is iso-tridecanol

7.6. Cylinder lubricant according to one of claims 1 to ~~6~~ 5 which comprises one or more functional additives chosen from the dispersant, anti-wear, anti-foam additives, anti-oxidant and/or anti-rust additives.

8.7. Cylinder lubricant according to one of claims 1 to ~~7~~ 6 which comprises at least one overbased detergent chosen from the group constituted by the carboxylates, sulphonates, salicylates, naphthenates, phenates, and the mixed overbased detergents combining at least two of these types of detergents.

~~9.~~8. Cylinder lubricant according to one of claims 1 to ~~8~~ 7 which comprises at least 10% of one or more overbased detergent compounds.

~~10.~~9. Cylinder l~~L~~ubricant according to any one of claims 1 to ~~9~~ 8 in which the overbased detergents are metal-based compounds chosen from the group constituted by calcium, magnesium, sodium or barium~~, preferentially calcium or magnesium~~.

~~11.~~10. Cylinder ~~Lubricant~~ lubricant according to any one of claims 1 to ~~10~~ 9 in which the detergents are overbased by insoluble metallic salts chosen from the group of carbonates, hydroxides, oxalates, acetates, glutamates of alkali or alkaline-earth metals.

~~12.~~11. Cylinder ~~Lubricant~~ lubricant according to one of claims 1 to ~~11~~ 10 in which the overbased detergents are carbonates of alkali or alkaline-earth metals.

~~13.~~12. Cylinder ~~Lubricant~~ lubricant according to one of claims 1 to ~~12~~ 11 in which at least one of the detergents is overbased by calcium carbonate.

~~14.~~13. Cylinder lubricant according to one of claims 1 to ~~13~~ 12 which comprises at least 0.1% of a dispersant additive chosen from the family of the PIB succinimides.

~~15.~~14. Use of a lubricant according to any one of claims 1 to ~~14~~ 13 as a single cylinder lubricant which can be used with any type of fuel oils the sulphur content of which is less than 4.5%~~, preferably the sulphur content of which is comprised between 0,5 and 4% m/m.~~

~~16.~~15. Use according to any one of claims 1 to ~~14~~ 13 as a single cylinder lubricant which can be used both with fuel oils the sulphur content of which is less than 1.5% m/m and with fuel oils the sulphur content of which is greater than 3% m/m.

~~17.~~16. Use of a lubricant according to one of claims 1 to ~~14~~ 13 for preventing corrosion and/or reducing the formation of deposits of insoluble metallic salts in two-stroke marine engines during the combustion of any type of fuel oil the sulphur content of which is less than 4.5% m/m.

~~18.~~17. Use of one or more compounds chosen from the primary, secondary or tertiary monoalcohols the alkyl chain of which is saturated or unsaturated, ~~or alkylene chain of which is saturated or unsaturated,~~ linear or branched and comprises at least 12 carbon atoms, as surfactants in a cylinder lubricant having a BN, measured by the standard ASTM D-2896, greater than or equal to 40 milligrams of potash per gram of lubricant, in order to improve the effectiveness of said cylinder lubricant vis-à-vis the rate of neutralization of the sulphuric acid formed during the combustion of any type of fuel oils the sulphur content of which is less than 4.5% m/m in a two-stroke marine engine.

~~19.~~18. Use according to claim ~~18~~ 17 in which the surfactant agent is present in a quantity of 0.01% to 10% by weight, ~~preferentially of 0.1% to 2%~~ by weight relative to the total weight of the lubricant.

~~20.~~19. Use according to the claim ~~18~~ 17 or ~~19~~ 18 in which the cylinder lubricant has features such as those defined in any one of claims 1 to ~~14~~13.

~~21.~~20. Production process for a lubricant according to any one of claims 1 to ~~14~~ 13 in which the A compound is added as a separate component of the cylinder lubricant having a BN determined according to the standard ASTM D–2896 greater than or equal to 40 milligrams of potash per gram of lubricant and optionally comprising one or more functional additives.

~~22.~~21. Production process for a lubricant according to any one of claims 1 to ~~14~~ 13 by dilution of a concentrate of additives for a marine lubricant into which the A compound is incorporated.

~~23.~~22. Concentrate of additives for a cylinder lubricant having a BN determined according to the standard ASTM D–2896 greater than or equal to 40 milligrams of potash per gram of lubricant, said concentrate comprising a) from ~~0.05% to 20%, preferably from~~ 0.5% to 15%, by weight relative to the total weight of the additive concentrate, of one or more (A) compounds chosen from the primary, secondary or tertiary monoalcohols the alkyl chain of which is saturated or comprises at most two unstaurations of ethylenic double bond type, said chain is ~~or alkylene chain of which is saturated or unsaturated,~~ linear or branched and comprises at least 12 carbon atoms~~.~~, b) dispersants, detergents, functional additives and predilution base stock in proportions making it possible to obtain, after dilution in a base stock, cylinder lubricants having a BN greater than equal to 40 according to ASTM D2896.

~~24. Concentrate of additives for a cylinder lubricant having a BN determined according to the standard ASTM D–2896 greater than or equal to 40 milligrams of potash per gram of lubricant, said concentrate comprising from 15% to 80% by weight relative to the total weight of the additive concentrate, of one or more (A) compounds chosen from the primary, secondary or tertiary monoalcohols the alkyl or alkylene chain of which is saturated or unsaturated, linear or branched and comprises at least 12 carbon atoms.~~

~~25.~~23. Concentrate of additives according to claim ~~23 or 24~~22 in which the heavy monoalcohols have a linear main alkyl chain having 12 to 24 carbon atoms, this linear chain being optionally substituted by one or more alkyl groups having 1 to 23 carbon atoms.