CLAIMS

1. Use of a copolymer (C) comprising repeat units corresponding to alkyl methacrylate monomers, said monomers comprising at least:
- one or more monomer(s) (A), the same or different, selected from among (C6-C10) alkyl methacrylate monomers;
- one or more monomer(s) (B), the same or different, selected from among (C10-C18) alkyl methacrylate monomers, said monomers (B) differing from said monomers (A);
in a lubricant composition comprising at least one base oil for reducing and/or controlling abnormal gas combustion in an engine, preferably a marine engine or controlled-ignition engine.

2. The use according to claim 1, wherein the copolymer (C) comprises repeat units corresponding to:
- monomers (A), the same or different, selected from among (C6-C10) alkyl methacrylate monomers;
- monomers (B), the same or different, selected from among (C10-C18) alkyl methacrylate monomers, said monomers (B) comprising at least one (C12) alkyl methacrylate monomer and/or at least one (C14) alkyl methacrylate monomer.

3. The use according to claim 1 or 2, wherein monomers (A) and monomers (B) represent at least 75 weight % of the total of monomers used to prepared copolymer (C), preferably they represent at least 90 %, more preferably at least 95 %, further preferably at least 97 %, better still at least 99 %, preferably at least 99.5 weight %.

4. The use according to any of claims 1 to 3, wherein the weight ratio of monomers (B) to monomers (A) is between about 99:1 and about 10:90.

5. The use according to any of claims 1 to 4, wherein monomers (A) are branched and are preferably 2-ethyl-hexyl methacrylate and/or monomers (B) are linear, preferably monomers (B) are a mixture of C10 alkyl methacrylate, C12 alkyl methacrylate, C14 alkyl methacrylate, C16 alkyl methacrylate, and C18 alkyl methacrylate.

6. The use according to any of claims 1 to 5, wherein copolymer (C) comprises units corresponding to C10 alkyl methacrylate, C12 alkyl methacrylate, C14 alkyl methacrylate, C16 alkyl methacrylate, C18 alkyl methacrylate, and C8 alkyl methacrylate monomers.

7. The use according to any of claims 1 to 6, wherein the lubricant composition comprises from 50 to 10000 ppm by weight of active material of copolymer (C) relative to the total weight of the composition.

8. The use according to any of claims 1 to 7, wherein the lubricant composition comprises from 4 to 30 weight % of detergents relative to the total weight of the lubricant composition.

9. The use according to any of the preceding claims, wherein the engine is a marine engine, preferably a pure gas or dual-fuel marine engine, two-stroke or four-stroke.

10. The use according to any of the preceding claims, for reducing the quantity of lubricant composition in the combustion chamber of the engine, preferably of the marine engine.

11. Use of a lubricant composition comprising:
- at least one base oil;
- at least one copolymer (C) such as defined in any of claims 1 to 8
to:
- reduce and/or control abnormal gas combustion in an engine, preferably in a marine engine or controlled-ignition engine, preferably to reduce and/or control abnormal gas combustion in an engine, preferably a marine engine, in particular a pure gas or dual-fuel engine, two stroke or four stroke; and/or
- reduce the quantity of lubricant composition in the combustion chamber of an engine, preferably a marine engine or controlled-ignition engine, preferably a marine engine; and/or
- reduce and/or control abnormal gas combustion resulting from auto-ignition of the lubricant composition in an engine, preferably a marine engine or controlled-ignition engine, preferably a marine engine and in particular a pure gas or dual-fuel engine, two stroke or four stroke.