CLAIMS

1. Use at least 5% by weight of polyol ester relative to the total weight of the lubricant composition in a lubricant composition for gas engine comprising at least 50% by weight of mineral base oil, the polyol comprises at least 3 -OH groups to improve the detergency properties of the lubricant composition for gas engine.

2. Use according to claim 1 wherein the gas engine is a stationary gas engine.

3. Use according to claim 1 or 2, wherein the mineral base oil is chosen from a Group II base oil or a Group III base oil according to the API classification, preferably a Group II base oil according to API classification.

4. Use according to any one of the preceding claims wherein the lubricant composition comprises from 50% to 90% by weight of mineral base oil based on the total weight of the lubricant composition.

5. Use according to any one of the preceding claims wherein the ester is selected from among saturated or unsaturated, linear or branched esters of polyol and of carboxylic acids comprising at least 8 carbon atoms.

6. Use according to claim 5 wherein the carboxylic acid is a saturated or unsaturated monocarboxylic acid, linear or branched.

7. Use according to the preceding claim wherein the carboxylic acid comprises from 8 to 20 carbon atoms, preferably from 8 to 18 carbon atoms.

8. Use according to any one of the preceding claims wherein the polyol comprises 3 to 8 -OH groups.

9. Use according to any one of the preceding claims wherein the polyol comprises from 3 to 10 carbon atoms.

10. Use according to any one of the preceding claims wherein the polyol ester comprises a mixture of at least one first ester of polyol and monocarboxylic acid according to any one of claims 6 to 9, and at least one second ester of polyol and monocarboxylic acid according to any one of the claims 6 to 9 and that is different from the first ester.

11. Use according to any one of the preceding claims wherein the ester is obtained by esterification reaction between a polyol according to claim 8 or 9, at least one first monocarboxylic acid according to claim 6 or 7, and at least one second carboxylic acid selected from linear or branched, saturated or unsaturated dicarboxylic acids comprising at least 16 carbon atoms.

12. Use according to any one of the preceding claims wherein the lubricant composition comprises from 5 to 30%, advantageously from 5 to 25%, or from 5 to 15% by weight of polyol ester relative to the total weight of the lubricant composition.

13. Use according to any one of the preceding claims wherein the lubricant composition further comprises polyisobutylene.

14. Method to improve the detergency properties of a lubricant composition for gas engine comprising at least 50% by weight of mineral base oil, comprising the addition, in the lubricant composition, of at least 5% by weight of polyol ester relative to the total weight of the lubricant composition, wherein the polyol comprises at least 3 -OH groups.

15. Method according to claim 14, wherein the lubricant composition is as described in any one of claims 2 to 13.