carboxylic acid comprise one or more alkaline earth metal salts of an alkyl-substituted hydroxybenzoic acid.

6. The natural gas engine lubricating oil composition according to any one of Claims 1-4, wherein the one or more alkaline earth metal salts of an alkyl-substituted hydroxyaromatic carboxylic acid comprise one or more overbased alkaline earth metal salts of an alkyl-substituted hydroxyaromatic carboxylic acid.

7. The natural gas engine lubricating oil composition according to any one of Claims 1-4, wherein the one or more alkaline earth metal salts of an alkyl-substituted hydroxyaromatic carboxylic acid comprise a calcium salt of an alkyl-substituted hydroxyaromatic carboxylic acid.

8. The natural gas engine lubricating oil composition according to any one of Claims 1-7, wherein the one or more antioxidants comprise a hindered phenol compound.

9. The natural gas engine lubricating oil composition according to any one of Claims 1-~~9~~8, having a sulfated ash content of 0.15 to 0.3 wt. % as determined by ASTM D 874.