WHAT IS CLAIMED IS:

1. A marine diesel cylinder lubricating oil composition is provided which comprises

(a) a major amount of one or more Group II basestocks, and

(b) a detergent composition comprising

(i) 5 to 15 wt.% on an actives basis, based on the total weight of the marine diesel cylinder lubricating oil composition, of one or more alkaline earth metal salts of an alkyl-substituted hydroxyaromatic carboxylic acid having a total base number (TBN) of 100 to 250, wherein the alkyl-substituted hydroxyaromatic carboxylic acid is a C_{12} to C_{28} alkyl group; and

(ii) 5 to 16 wt.% on an actives basis, based on the total weight of the marine diesel cylinder lubricating oil composition, of one or more of a high overbased calcium alkyl toluene sulfonic acids or salts thereof having a TBN of greater than 250 to 550; wherein the toluene moiety of the calcium alkyl toluene sulfonic acids or salts thereof contains no hydroxyl groups; and further wherein the alkyl moiety of the calcium alkyl toluene sulfonic acids or salts thereof is a C12 to C40 alkyl group; and

wherein the marine diesel cylinder lubricating oil composition has a TBN of 30 to 50.

2. The marine diesel cylinder lubricating oil composition according to Claim 1, wherein the one or more alkaline earth metal salts of an alkyl-substituted hydroxyaromatic carboxylic acid are one or more calcium salts of an alkyl-substituted hydroxyaromatic carboxylic acid.

3. The marine diesel cylinder lubricating oil composition according to Claim 1, wherein the one or more alkaline earth metal salts of an alkyl-substituted hydroxyaromatic carboxylic acid are one or more calcium salts of an alkyl-substituted hydroxybenzoic carboxylic acid.

4. The marine diesel cylinder lubricating oil composition according to Claim 1, wherein the alkyl-substituted moiety of the alkaline earth metal salt of an alkyl-substituted hydroxyaromatic carboxylic acid is a C_{20} to C_{28} alkyl group.

5. The marine diesel cylinder lubricating oil composition according to Claim 1, further comprising one or more marine diesel cylinder lubricating oil composition additives selected from the group consisting of an antioxidant, ashless dispersant, detergent, rust inhibitor, dehazing agent, demulsifying agent, metal deactivating agent, friction modifier, pour point depressant, antifoaming agent, co-solvent, package compatibiliser, corrosion-inhibitor, dyes, extreme pressure agent and mixtures thereof.

6. The marine diesel cylinder lubricating oil composition according to Claim 1, which is substantially free of an unsulfurized tetrapropenyl phenol and its unsulfurized metal salt.

7. The marine diesel cylinder lubricating oil composition according to Claim 1, which is substantially free of any dispersants and/or zinc compounds.

8. A method for lubricating a marine two-stroke crosshead diesel engine with a marine diesel cylinder lubricant composition having improved high temperature detergency;

wherein the method comprises operating the engine with a marine diesel cylinder lubricating oil composition comprising:

(a) a major amount of one or more Group II basestocks, and

(b) a detergent composition comprising

(i) 5 to 15 wt.% on an actives basis, based on the total weight of the marine diesel cylinder lubricating oil composition, of one or more alkaline earth metal salts of an alkyl-substituted hydroxyaromatic carboxylic acid having a total base number (TBN) of 100 to 250, wherein the alkyl-substituted hydroxyaromatic carboxylic acid is a C_{12} to C_{28} alkyl group; and

(ii) 5 to 16 wt.% on an actives basis, based on the total weight of the marine diesel cylinder lubricating oil composition, of one or more of a high overbased calcium alkyl toluene sulfonic acids or salts thereof having a TBN of greater than 250 to 550; wherein the toluene moiety of the calcium alkyl toluene sulfonic acids or salts thereof contains no hydroxyl groups; and further wherein the alkyl moiety of the calcium alkyl toluene sulfonic acids or salts thereof is a C12 to C40 alkyl group; and

wherein the marine diesel cylinder lubricating oil composition has a TBN of 30 to 50.

9. The method of claim 8 wherein the marine diesel cylinder lubricating oil composition further comprises a marine diesel cylinder lubricating oil composition additive selected from the group consisting of an antioxidant, ashless dispersant, detergent, rust inhibitor, dehazing agent, demulsifying agent, metal deactivating agent, friction modifier,

pour point depressant, antifoaming agent, co-solvent, package compatibiliser, corrosion-inhibitor, dyes, extreme pressure agent and mixtures thereof.

10. The method of claim 8, wherein the marine diesel cylinder lubricating oil composition has a kinematic viscosity ranging from 12.5 to 26.1 centistokes (cSt) at 100 °C.

11. A marine diesel cylinder lubricating oil composition comprising:

(a) a major amount of one or more Group II basestocks, and

(b) a detergent composition comprising:

(i) 5 to 15 wt.% on an actives basis, based on the total weight of the marine diesel cylinder lubricating oil composition, of one or more alkaline earth metal salts of an alkyl-substituted hydroxyaromatic carboxylic acid having a total base number (TBN) of 100 to 250, wherein the alkyl-substituted hydroxyaromatic carboxylic acid is a C_{12} to C_{28} alkyl group; and

(ii) 5 to 16 wt.% on an actives basis, based on the total weight of the marine diesel cylinder lubricating oil composition, of one or more of a high overbased calcium alkyl toluene sulfonic acids or salts thereof having a TBN of greater than 250 to 550; wherein the toluene moiety of the calcium alkyl toluene sulfonic acids or salts thereof contains no hydroxyl groups; and further wherein the alkyl moiety of the calcium alkyl toluene sulfonic acids or salts thereof is a C12 to C40 alkyl group; and

wherein the marine diesel cylinder lubricating oil composition has a TBN of 30 to 50 and kinematic viscosity ranging from 12.5 to 26.1 centistokes (cSt) at 100 °C.

12. The marine diesel cylinder lubricating oil composition according to Claim 11, wherein the one or more alkaline earth metal salts of an alkyl-substituted hydroxyaromatic carboxylic acid are one or more calcium salts of an alkyl-substituted hydroxyaromatic carboxylic acid.

13. The marine diesel cylinder lubricating oil composition according to Claim 11, wherein the alkyl-substituted moiety of the alkaline earth metal salt of an alkyl-substituted hydroxyaromatic carboxylic acid is a C_{20} to C_{28} alkyl group.

14. The marine diesel cylinder lubricating oil composition according to Claim 11, further comprising one or more marine diesel cylinder lubricating oil composition additives selected from the group consisting of an antioxidant, ashless dispersant, detergent, rust inhibitor, dehazing agent, demulsifying agent, metal deactivating agent, friction modifier, pour point depressant, antifoaming agent, co-solvent, package compatibiliser, corrosion-inhibitor, dyes, extreme pressure agent and mixtures thereof.

15. The marine diesel cylinder lubricating oil composition according to Claim 11, which is substantially free of an unsulfurized tetrapropenyl phenol and its unsulfurized metal salt.

16. The marine diesel cylinder lubricating oil composition according to Claim 11, which is substantially free of any dispersants and/or zinc compounds.

17. The method of claim 8, wherein the one or more alkaline earth metal salts of an alkyl-substituted hydroxyaromatic carboxylic acid are one or more calcium salts of an alkyl-substituted hydroxyaromatic carboxylic acid.

18. The method of claim 8, wherein the alkyl-substituted moiety of the alkaline earth metal salt of an alkyl-substituted hydroxyaromatic carboxylic acid is a C_{20} to C_{28} alkyl group.

19. The method of claim 8, which is substantially free of an unsulfurized tetrapropenyl phenol and its unsulfurized metal salt.

20. The method of Claim 8, which is substantially free of any dispersants and/or zinc compounds.