**What is Claimed is:**

1. A lubricating oil composition comprising greater than 50 wt.% of a base oil of lubricating viscosity, and an additive composition comprising:

one or more zinc dialkyl dithiophosphates (ZDDP compounds), one or more calcium-containing detergents, and one or more dispersants, wherein the one or more dispersants consist of dispersants derived from polyisobutylene succinic anhydride (PIBSA),

said one or more calcium-containing detergents are present in an amount to provide greater than 0.01 wt.% calcium to 0.25 wt.% calcium to the lubricating oil composition, and

wherein the amount of zinc (Zn) in weight percent provided to the lubricating oil composition by the one or more ZDDP compounds multiplied by the contribution of the total base number (TBN) of the one or more dispersants derived from PIBSA to the TBN of the lubricating oil composition is a multiplication factor Zn*TBNDisp of at least 0.06.

2. The lubricating oil composition of claim 1, wherein the Zn*TBNDisp multiplication factor is more than 0.07.

3. The lubricating oil composition of claim 1, wherein the Zn*TBNDisp multiplication factor is at least 0.06 and the one or more ZDDP compounds is present in a sufficient amount to provide greater than 0.071 wt.% of zinc based on the total weight of the lubricating oil composition.

4. The lubricating oil composition of claim 1, wherein the Zn*TBNDisp multiplication factor is at least 0.06 and the contribution of TBN of the one or more dispersants to the TBN of the lubricating oil composition is at least 0.79 mg KOH/g.

5. A lubricating oil composition comprising greater than 50 wt.% of a base oil of lubricating viscosity, and an additive composition comprising:

one or more zinc dialkyl dithiophosphates (ZDDP compounds), one or more calcium-containing detergents, and one or more dispersants, wherein the one or more dispersants consist of dispersants derived from polyisobutylene succinic anhydride (PIBSA),

said one or more calcium-containing detergents are present in an amount to provide greater than 0.01 wt.% calcium to 0.25 wt.% to the lubricating oil composition, and

wherein the amount of phosphorus (P) in weight percent provided to the lubricating oil composition by the one or more ZDDP compounds multiplied by the contribution of the total base number (TBN) of the one or more dispersants derived from PIBSA to the TBN of the lubricating oil composition is a multiplication factor P*TBNDisp of at least 0.051

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6. The lubricating oil composition of claim 5, wherein the P*TBNDisp multiplication factor is more than 0.06 to 0.5.

7. The lubricating oil composition of claim 5, wherein the P*TBNDisp multiplication factor is at least 0.051 and the one or more ZDDP compounds is present in a sufficient amount to provide greater than 0.065 wt.% of P based on the total weight of the lubricating oil composition.

8. The lubricating oil composition of claim 5, wherein the P*TBNDisp multiplication factor is at least 0.051 and the contribution of TBN of the one or more dispersants to the TBN of the lubricating oil composition is at least 0.79 mg KOH/g.

9. The lubricating oil composition of claim 1, wherein the one or more ZDDP compounds is derived from one or more secondary alkyl alcohol(s) having an alkyl group with 3 to 8 carbon atoms.

10. The lubricating oil composition of claim 5, wherein the one or more ZDDP compounds is derived from one or more secondary alkyl alcohol(s) having an alkyl group with 3 to 8 carbon atoms.

11. The lubricating oil composition of claim 1, wherein the one or more ZDDP compounds is a mixture of all primary alcohol ZDDP compounds and all secondary alcohol ZDDP compounds.

12. The lubricating oil composition of claim 5, wherein the one or more ZDDP compounds is a mixture of all primary alcohol ZDDP compounds and all secondary alcohol ZDDP compounds.

13. The lubricating oil composition of claim 11, wherein the mixture comprises all primary alcohol ZDDP compounds contributing 15 to 500 ppmw zinc and all secondary alcohol ZDDP compounds contributing 100 to 1000 ppmw zinc to the lubricating oil composition based on the weight of the lubricating oil composition.

14. The lubricating oil composition of claim 12, wherein the mixture comprises all primary alcohol ZDDP compounds contributing 15 to 500 ppmw zinc and all secondary alcohol ZDDP compounds contributing 100 to 1000 ppmw zinc to the lubricating oil composition based on the weight of the lubricating oil composition.

15. The lubricating oil composition of claim 1, wherein the one or more dispersants comprises at least one dispersant derived from polyisobutylene succinic anhydride ("PIBSA"), and the PIBSA has an average of 1.0 and 2.0 succinic acid moieties per polyisobutylene (PIB) polymer.

16. The lubricating oil composition of claim 5, wherein the one or more dispersants comprises at least one dispersant derived from polyisobutylene succinic anhydride ("PIBSA"), and the PIBSA has an average of 1.0 and 2.0 succinic acid moieties per polyisobutylene (PIB) polymer.

17. The lubricating oil composition of claim 1, wherein the contribution of TBN of the total dispersant to the TBN of the lubricating oil composition is at least 0.79 mg KOH/g.

18. The lubricating oil composition of claim 5, wherein the contribution of TBN of the total dispersant to the TBN of the lubricating oil composition is at least 0.79 mg KOH/g.

19. The lubricating oil composition of claim 1, wherein the one or more dispersants derived from PIBSA is a mixture of at least one dispersant that is post-treated and at least one dispersant that is not post-treated.

20. The lubricating oil composition of claim 5, wherein the one or more dispersants derived from PIBSA is a mixture of at least one dispersant that is post-treated and at least one dispersant that is not post-treated.

21. A method of reducing engine sludge of an internal combustion engine, the method comprising adding to the engine the lubricating oil composition of claim 1 and operating said engine, wherein the lubricating oil composition provides results of an Average Engine Sludge test (ASTM D8256) of 7.01 minutes or higher.

22. A method of reducing engine sludge of an internal combustion engine, the method comprising adding to the engine the lubricating oil composition of claim 5 and operating said engine, wherein the lubricating oil composition provides results of an Average Engine Sludge test (ASTM D8256) of 7.01 minutes or higher.

23. A method of improving the fuel economy performance and/or piston cleanliness performance of an engine and/or a vehicle, comprising the step of providing the engine and/or the vehicle with a lubricant composition according to claim 1.

24. A method of improving the fuel economy performance and/or piston cleanliness performance of an engine and/or a vehicle, comprising the step of providing the engine and/or the vehicle with a lubricant composition according to claim 5.