

WHAT IS CLAIMED IS:

1. A lubricating oil composition comprising:

(a) from about 6 wt. % to about 15 wt. %, based on the total weight of the lubricating oil composition, of one or more base oils (A) comprising one or more polyalphaolefin (PAO) base oils having a kinematic viscosity at 100°C of from about 8.0 cSt to about 12 cSt;

(b) from about 65 wt. % to about 85 wt. %, based on the total weight of the lubricating oil composition, of one or more base oils (B) having a kinematic viscosity at 100°C of from about 3.0 cSt to about 5.5 cSt; and

(c) from about 0.1 wt. % to about 10 wt. %, based on the total weight of the lubricating oil composition, of a succinimide dispersant;

wherein base oil (A) is derived at least in part from a C₁₂ olefin and further wherein base oil A has a weight average molecular weight of from about 300 g/mol to about 1000 g/mol.

2. The lubricating oil composition of claim 1, wherein the one or more PAO base oils are derived from a C₆ to C₁₄ alpha olefin.

3. The lubricating oil composition of claim 1, comprising from about 8 wt. % to about 12 wt. %, based on the total weight of the lubricating oil composition, of the one or more base oils (A).

4. The lubricating oil composition of claim 1, wherein the one or more base oils (B) comprise one or more Group III base oils, one or more Group IV base oils or mixtures thereof.

5. The lubricating oil composition of claim 1, wherein the succinimide dispersant is derived from a polyalkylene group having a number average molecular weight of from about 1300 to about 2500 Daltons.

6. The lubricating oil composition of claim 1, comprising about 0.7 to about 5 wt. %, based on the total weight of the lubricating oil composition, of the succinimide dispersant.

7. The lubricating oil composition of claim 1, further comprising one or more lubricating oil composition additives selected from the group consisting of an antioxidant, a detergent, a rust inhibitor, a dehazing agent, a demulsifying agent, a metal deactivating agent, a friction modifier, a pour point depressant, an antifoaming agent, a co-solvent, a corrosion-inhibitor, a dye, an extreme pressure agent, and mixtures thereof.

8. A method for reducing deposits in an internal combustion engine, the method comprising supplying a lubricating oil composition comprising:

(a) from about 6 wt. % to about 15 wt. %, based on the total weight of the lubricating oil composition, of one or more base oils (A) comprising one or more polyalphaolefin (PAO) base oils having a kinematic viscosity at 100 °C of from about 8.0 cSt to about 12 cSt;

(b) from about 65 wt. % to about 85 wt. %, based on the total weight of the lubricating oil composition, of one or more base oils (B) having a kinematic viscosity at 100°C of from about 3.0 cSt to about 5.5 cSt; and

(c) from about 0.1 wt. % to about 10 wt. %, based on the total weight of the lubricating oil composition, of a succinimide dispersant;

wherein base oil (A) is derived at least in part from a C₁₂ olefin and further wherein base oil A has a weight average molecular weight of from about 300 g/mol to about 1000 g/mol.

9. The method of claim 8, wherein the one or more PAO base oils are derived from a C₈ to C₁₂ alpha olefin.

10. The method of claim 8, wherein the lubricating oil composition comprises from about 8 wt. % to about 12 wt. %, based on the total weight of the lubricating oil composition, of the one or more base oils (A).

11. The method of claim 8, wherein the one or more base oils (B) comprise one or more Group III base oils, one or more Group IV base oils or mixtures thereof.

12. The method of claim 8, wherein the succinimide dispersant is derived from a polyalkylene group having a number average molecular weight of from about 1300 to about 2500 Daltons.

13. The method of claim 8, wherein the lubricating oil composition comprises about 0.7 to about 5 wt. %, based on the total weight of the lubricating oil composition, of the succinimide dispersant.

14. The method of claim 8, wherein the lubricating oil composition further comprises one or more lubricating oil composition additives selected from the group consisting of an antioxidant, a detergent, a rust inhibitor, a dehazing agent, a demulsifying agent, a metal deactivating agent, a friction modifier, a pour point depressant, an antifoaming agent, a co-solvent, a corrosion-inhibitor, a dye, an extreme pressure agent, and mixtures thereof.

15. A lubricating oil composition comprising:

(a) from about 2 wt. % to about 10 wt. %, based on the total weight of the lubricating oil composition, of one or more base oils (A) comprising one or more polyalphaolefin (PAO) base oils having a kinematic viscosity at 100°C of from about 30.0 cSt to about 50.0 cSt;

(b) from about 65 wt.% to about 85 wt. %, based on the total weight of the lubricating oil composition, of one or more base oils (B) having a kinematic viscosity at 100°C of from about 3.0 cSt to about 5.5 cSt; and

(c) from about 0.1 wt. % to about 10 wt. %, based on the total weight of the lubricating oil composition, of a succinimide dispersant;

wherein base oil (A) is derived at least in part from a C₁₂ olefin and wherein base oil A has a molecular weight of from 900 g/mol to 10,000 g/mol.

16. The lubricating oil composition of claim 15, wherein the one or more PAO base oils are derived from a C₆ to C₁₄ alpha olefin.

17. The lubricating oil composition of claim 15, wherein the one or more base oils (B) comprise one or more Group III base oils, one or more Group IV base oils or mixtures thereof.

18. The lubricating oil composition of claim 1, comprising about 0.7 to about 5 wt. %, based on the total weight of the lubricating oil composition, of the succinimide dispersant, wherein the succinimide dispersant is derived from a polyalkylene group having a number average molecular weight of from about 1300 to about 2500 Daltons.

19. The lubricating oil composition of claim 15, further comprising one or more lubricating oil composition additives selected from the group consisting of an antioxidant, a detergent, a rust inhibitor, a dehazing agent, a demulsifying agent, a metal deactivating agent, a friction modifier, a pour point depressant, an antifoaming agent, a co-solvent, a corrosion-inhibitor, a dye, an extreme pressure agent, and mixtures thereof.

20. A method for reducing deposits in an internal combustion engine, the method comprising lubricating said engine with a lubricating oil composition comprising:

(a) from about 2 wt. % to about 10 wt. %, based on the total weight of the lubricating oil composition, of one or more base oils (A) comprising one or more polyalphaolefin (PAO) base oils having a kinematic viscosity at 100°C of from about 30.0 cSt to about 50.0 cSt;

(b) from about 65 wt.% to about 85 wt. %, based on the total weight of the lubricating oil composition, of one or more base oils (B) having a kinematic viscosity at 100°C of from about 3.0 cSt to about 5.5 cSt; and

(c) from about 0.1 wt. % to about 10 wt. %, based on the total weight of the lubricating oil composition, of a succinimide dispersant;

wherein base oil (A) is derived at least in part from a C₁₂ olefin and wherein base oil A has a molecular weight of from 900 g/mol to 10,000 g/mol.