

What is claimed:

1. A low viscosity, low volatility lubricating composition comprising:
an oil of lubricating viscosity that includes a lubricating base oil and a hydrocarbon oil, the hydrocarbon oil being at least 20 wt % of the oil of lubricating viscosity and has a kinematic viscosity of less than 3.7 cSt at 100°C and a NOACK volatility (measured by ASTM D5800) of less than 25 wt %; and
1.2 to 4 wt % of a polyalkenyl succinimide dispersant,
the lubricating composition being a 0W-XX multi-grade composition according to SAE J300 and XX is selected from 8, 12, 16, and 20.
2. The composition of claim 1, wherein the oil of lubricating viscosity has a viscosity index of greater than 100.
3. The composition of any one of claim 1 and 2, wherein the oil of lubricating viscosity has a viscosity index of greater than 110.
4. The composition of any one of the preceding claims, wherein the oil of lubricating viscosity has a viscosity index of greater than 115.
5. The composition of any one of the preceding claims, wherein the oil of lubricating viscosity has a viscosity index of greater than 125.
6. The composition of any one of the preceding claims, wherein the oil of lubricating viscosity has a viscosity index of from 110 to 130.
7. The composition of any one of the preceding claims, wherein the oil of lubricating viscosity has a viscosity index of from 115 to 125.

8. The composition of any one of the preceding claims, wherein the oil of lubricating viscosity has a viscosity index of from 117 to 122.
9. The composition of any one of the preceding claims, wherein at least 50 wt % of the hydrocarbon oil is bio-derived.
10. The composition of any one of the preceding claims, wherein the hydrocarbon oil is a bio-derived and is substantially free of ester functionality.
11. The composition of claim 10, wherein the bio-derived hydrocarbon oil comprises a hydrocarbon compound having a continuous chain of no more than 24 carbon atoms and at least 30 total carbon atoms.
12. The composition of any one of the preceding claims, wherein the lubricating composition has no more than 10 wt % of a polyalphaolefin base oil.
13. The composition of any one of the preceding claims, wherein the oil of lubricating viscosity has at least 40 wt % of the hydrocarbon oil.
14. The composition of any one of the preceding claims, wherein the oil of lubricating viscosity has at least 50 wt % of the hydrocarbon oil.
15. The composition of any one of the preceding claims, wherein the oil of lubricating viscosity has at least 60 wt % of the hydrocarbon oil.
16. The composition of any one of the preceding claims, wherein the hydrocarbon oil has a kinematic viscosity of less than 3.6 cSt at 100° C.
17. The composition of any one of the preceding claims, wherein the hydrocarbon oil has a kinematic viscosity of 3.5 cSt at 100° C or less.

18. The composition of any one of the preceding claims, wherein the hydrocarbon oil has a kinematic viscosity of less than 3.4 cSt at 100° C.
19. The composition of any one of the preceding claims, wherein the hydrocarbon oil has a NOACK volatility of less than 20 wt %.
20. The composition of any one of the preceding claims, wherein the hydrocarbon oil has a NOACK volatility of less than 15 wt %.
21. The composition of any one of the preceding claims, wherein the hydrocarbon oil comprises a branched hydrocarbon compound containing at least 16 carbon atoms and not more than 60 carbon atoms.
22. The composition of any one of the preceding claims, wherein the hydrocarbon oil comprises from 20 wt % to 95 wt % of the oil of lubricating viscosity.
23. The composition of any one of the preceding claims, further comprising a polymeric viscosity modifier.
24. The composition of claim 21, wherein the polymeric viscosity modifier is present in the lubricating composition in an amount of from 0.05 to 2 wt %.
25. The composition of claim 21, wherein the polymeric viscosity modifier is present in the lubricating composition in an amount of from 0.08 to 1.8 wt %.
26. The composition of claim 21, wherein the polymeric viscosity modifier is present in the lubricating composition in an amount of from 0.1 to 1.2 wt %.

27. The composition of any one of the preceding claims, wherein the hydrocarbon oil is substantially aliphatic and contains less than 5 wt % cyclic hydrocarbons.
28. The composition of any one of the preceding claims, wherein the polyalkenyl succinimide dispersant is a polyisobutylene succinimide.
29. The composition of any one of the preceding claims, wherein the polyalkenyl dispersant is present in the lubricating composition in an amount from 1.2 to 3 wt %.
30. The composition of any one of the preceding claims, wherein the polyalkenyl dispersant comprises a boron-containing succinimide in an amount of from 0.5 to 4 wt % of the lubricating composition.
31. The composition of any one of the preceding claims, further comprising an antiwear agent.
32. The composition of claim 28, wherein the antiwear agent is present in the lubricating composition in an amount of from 0.1 to 3 wt %.
33. The composition of any one of claims 29 and 30, wherein the antiwear agent is a zinc dialkyldithiophosphate.
34. The composition of any one of the preceding claims, further comprising a metal-containing detergent.
35. The composition of claim 34, wherein the metal-containing detergent is present in the lubricating composition in an amount of from 0.5 to 3 wt %.

36. The composition of claims 34 and 35, wherein the metal-containing detergent comprises one or more of an overbased calcium detergent, an overbased magnesium detergent, and combinations thereof.
37. The composition of any of claims 34 to 36, wherein the metal-containing detergent comprise a detergent selected from one or more of a calcium salicylate detergent, a magnesium salicylate detergent, and combinations thereof.
38. A method of lubricating an internal combustion engine comprising:
supplying to the internal combustion engine a lubricating composition according to any one of the preceding claims.
39. Use of a lubricating composition accordingly any one of claims 1 to 37 for improving fuel economy of an internal combustion engine.