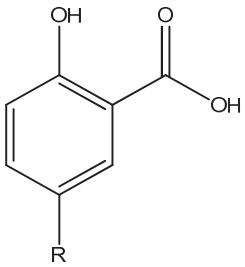
What is claimed:

1. A lubricating composition comprising:

(a) an oil of lubricating viscosity; and

(b) a detergent consisting of an alkylsalicylate represented by the structure




where R represents polyisobutylene having a number average molecular weight of 150 to 400 and wherein the detergent comprises up to 5 wt. %, or up to 3 wt. %, or up to 2.5 wt. % of the lubricating composition.

2. The lubricating composition of claim 1, wherein the detergent is a metal salt.

3. The lubricating composition of claim 2, wherein the metal in the salt comprises calcium.

4. The lubricating composition of claims 2 or 3, wherein the metal is overbased.

5. The lubricating composition of any of claims 1 to 4, wherein the detergent is free of C8 and higher unbranched alkyl chains.

6. The lubricating composition of claim 1, wherein the polyisobutylene has a number average molecular weight of 300 to 400.

7. The lubricating composition of any of claims 1 to 7, wherein the detergent is at least 0.01 wt. % of the lubricating composition.

8. The lubricating composition of claim 7, wherein the polyolefin-substituted hydroxy-aromatic carboxylic acid is at least 0.1 wt. %, or at least 0.5 wt. %, or at least 1 wt. %, or at least 2 wt. % of the lubricating composition.

9. The lubricating composition of any of claims 1 to 8, wherein the oil of lubricating viscosity comprises at least one of an API Group I, II, III, IV, and V base oil.

10. The lubricating composition of any of claims 1 to 9, wherein the oil of lubricating viscosity is at least 10 wt. % of the lubricating composition.

11. The lubricating composition of claim 10, wherein the oil of lubricating viscosity is at least 30 wt. % of the lubricating composition.

12. The lubricating composition of any of claims 1 to 11, wherein the oil of lubricating viscosity is up to 95 wt. % of the lubricating composition.

13. The lubricating composition of any of claims 1 to 12, further comprising at least one of the group consisting of detergents, antioxidants, dispersants, antiwear agents, friction modifiers, corrosion inhibitors, and combinations thereof.

14. A method of lubricating a mechanical device comprising supplying to the device the lubricating composition of any of claims 1 to 13.

15. The method of claim 14, wherein the mechanical device comprises an engine or driveline device.

16. The method of claim 14 or 15, wherein the mechanical device comprises a heavy duty diesel or marine diesel engine.

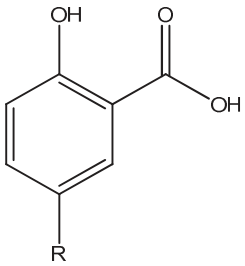
17. The method of claim 16, wherein the mechanical device is a hydraulic system, turbine system, or circulating oil system.

18. The method of claim 17, wherein the mechanical device is a transmission.

19. The use of the lubricating composition of any of claims 1 to 13 for lubricating a mechanical device.

20. A method of forming a lubricating composition comprising:

(i) forming an alkylsalicylate represented by the structure




where R represents polyisobutylene having a number average molecular weight of 150 to 400 and wherein the detergent comprises up to 5 wt. %, or up to 3 wt. %, or up to 2.5 wt. % of the lubricating composition ;

(ii) optionally, reacting the substrate with a metal base in the presence of carbon dioxide to form a metal salt; and

(iii) combining up to 5 wt% of the alkylsalicylate with an oil of lubricating viscosity.