WHAT IS CLAIMED IS:

1. A lubricant composition, comprising, based on 100% by weight of the lubricant composition:

61.28~96.64% by weight of a base oil;

0.5~30% by weight of a liquid olefin copolymer;

0.1~3.0% by weight of a phosphorothioate compound; and

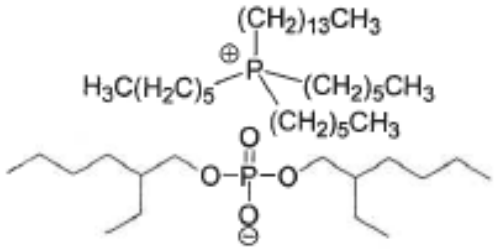
0.05~3.0% by weight of phosphonium phosphate, wherein the lubricant composition has a SRV friction coefficient of 0.1 to 0.35.

2. The lubricant composition of claim 1, wherein the liquid olefin copolymer is prepared by copolymerizing ethylene and alphaolefin using a single-site catalyst system.

3. The lubricant composition of claim 1, wherein the phosphorothioate compound is at least one selected from the group consisting of monophosphorothioate, diphosphorothioate, triphosphorothioate, methylphosphorothioate, ethylphosphorothioate, and sulfonylphosphorothioate.

4. The lubricant composition of claim 1, wherein the phosphonium phosphate has a structure of Chemical Formula 7 below.

[Chemical Formula 7]



5. The lubricant composition of claim 2, wherein the single-site catalyst system includes a metallocene catalyst, an organometallic compound and an ionic compound.

6. The lubricant composition of claim 1, wherein the liquid olefin copolymer has a coefficient of thermal expansion of 3.0 to 4.0.

7. The lubricant composition of claim 1, wherein the liquid olefin copolymer has a bromine number of 0.1 or less.

8. The lubricant composition of claim 1, wherein the base oil is at least one selected from the group consisting of mineral oil, polyalphaolefin (PAO), and ester.

9. The lubricant composition of claim 1, further comprising an additive selected from the group consisting of an antioxidant, a metal cleaner, an anticorrosive agent, a foam inhibitor, a pour-point depressant, a viscosity modifier, a wear-resistant agent, and combinations thereof.

10. The lubricant composition of claim 1, wherein the lubricant composition has a traction coefficient of 0.15 to 0.3.

11. The lubricant composition of claim 1, wherein the lubricant composition endures 1000 min or more in an oxidation stability evaluation (RBOT, ASTM D2271).

12. The lubricant composition of claim 1, wherein the lubricant composition is used as hydraulic oil.