**CLAIMS**

*What Is Claimed Is:*

1. A hydrocarbon composition suitable for use as a lubricant comprising a base stock produced by a separation process or a conversion process, wherein the base stock comprises sulfur between 30 ppm to 220 ppm and aromatics between 0.2 wt.% to 3 wt.%, wherein the lubricant formulated with the hydrocarbon composition has a viscosity increase at 100 °C. is between 0.1% and 29% and a weighted piston deposit is between 4.17 to 4.85 merits, both the viscosity increase and the weighted piston deposit measured by ASTM D8111 (Sequence IIIH Test);

wherein the separation process includes the step of solvent extraction; and

the hydrocarbon composition further comprising a high-sulfur containing material selected from the group consisting of vacuum gas oils, raffinates, bright stocks, heavy neutral base stocks, process oils, used lubricants, lubricant extracts, extracts from hydrofinishing, distillate aromatic extracts, and combinations thereof.

2. The hydrocarbon composition of claim 1, wherein the conversion process is catalytic hydrocracking or hydrotreating.

3. The hydrocarbon composition of any one of the preceding claims, wherein the base stock comprises a Group II base stock.

4. The hydrocarbon composition of any one of the preceding claims, wherein the base stock comprises a Group III base stock.

5. The hydrocarbon composition of any one of the preceding claims, wherein the base stock comprises PAO.

6. The hydrocarbon composition of any one of the preceding claims, wherein the aromatics comprise 3+ ring aromatics.

7. The hydrocarbon composition of any one of the preceding claims, wherein the aromatics comprise 4+ ring aromatics.

8. The hydrocarbon composition of any one of the preceding claims, wherein the base

stocks are further blended with at least one additive.

9. The hydrocarbon composition of claim 8, wherein the additive comprises an ILSAC GF-6 additive.

10. The hydrocarbon composition of any one of the preceding claims, wherein the hydrocarbon composition comprises between 80 wt.% to 98 wt.% base stock and 2 wt.% to 20 wt.% additives.