## CLAIMS

1. A marine fuel composition for use in marine engines, the marine fuel composition comprising:

a fuel component, the fuel component selected from the group consisting of high sulfur fuel oil (HSFO), low sulfur fuel oil (LSFO), slurry oil from a fluid catalytic cracker, heavy coker gas oil (HCGO), light cycle oil (LCO) from a fluid catalytic cracker, vacuum tower bottoms (VTB), atmospheric tower bottoms (ATB), low sulfur straight run (LSSR), high sulfur straight run (HSSR), distillate base stock (DBS), low sulfur vacuum gas oil (LSVGO), high sulfur vacuum gas oil (HSVGO), cracked or straight run fuel oil (m100), straight run gas oil (SRGO), ultra low sulfur heating oil (ULSHO), residues, and combinations of the same,

wherein the fuel component is present in an amount between 10 vol% and 99.9 vol%; and

a lubricity component operable to increase the lubricity of the fuel component, the lubricity component comprises a base oil,

wherein a sulfur content is between 0.101 wt % and 5 wt %,

wherein a carbon residue – micro method is greater than 2.5 wt%.

2. The marine fuel composition of claim 1, wherein the lubricity component is present in an amount between 0.1 vol % and 90 vol %.

3. The marine fuel composition of claim 1, wherein the base oil is selected from the group consisting of group II base oils, group III base oils, group IV base oils, group V base oils, and combinations of the same.

4. The marine fuel composition of claim 1, further comprising fuel additives.

5. The marine fuel composition of claim 1, wherein the residues are selected from the group consisting of straight run residue, thermal residue, cracked residue, and combinations of the same.

6. The marine fuel composition of claim 1, wherein an API gravity is between 11.2 and 40.

7. The marine fuel composition of claim 1, wherein a viscosity is between 3 cSt and 400 cSt at 122 deg F.

8. The marine fuel composition of claim 1, wherein an amount of calcium is less than 30 mg/kg.

9. The marine fuel composition of claim 1, wherein an amount of zinc is less than 15 mg/kg.

10. The marine fuel composition of claim 1, wherein an amount of phosphorus is less than 15 mg/kg.

11. The marine fuel composition of claim 1, wherein the lubricity component further comprises a group I base oil.