WHAT IS CLAIMED IS:

1. A marine diesel cylinder lubricating oil composition comprising:

(a) a major amount of an oil of lubricating viscosity; and

(b) a minor amount of a phenol-based detergent;

wherein the marine diesel cylinder lubricating oil composition has a Base Number (BN) of greater than 140 mg KOH/g, and further wherein the marine diesel cylinder lubricating oil composition is substantially free of unsulfurized tetrapropenyl phenol and its unsulfurized metal salt.

2. The marine diesel cylinder lubricating oil composition according to claim 1, wherein the phenol-based detergent is a carboxylate, a salicylate, an alkylphenate, a sulfurized alklylphenate, or any combination thereof.
3. The marine diesel cylinder lubricating oil composition according to claim 1 or 2, wherein the phenol-based detergent is a metal salt.
4. The marine diesel cylinder lubricating oil composition according to claim 3, wherein the metal salt is an alkaline metal salt or alkaline earth metal salt.
5. The marine diesel cylinder lubricating oil composition according to any of the preceding claims, further comprising:

(c) a minor amount of an additional detergent different from the phenol-based detergent of (b).

6. The marine diesel cylinder lubricating oil composition according to any of the preceding claims, wherein the BN of the marine lubricating oil composition ranges from 145 to 210, from 150 to 210, from 155 to 210, from 160 to 210, or from 170 to 210, from 180 to 210, from 145 to 200, from 150 to 200, from 160 to 200, or from 180 to 200 mg KOH/g.
7. A marine diesel cylinder lubricating oil composition comprising:

(a) a major amount of an oil of lubricating viscosity; and

(b) a minor amount of an overbased alkaline earth metal alkylphenate detergent;

wherein the marine diesel cylinder lubricating oil composition has a Base Number (BN) of greater than 140 mg KOH/g, and further wherein the marine diesel cylinder lubricating oil composition is substantially free of unsulfurized tetrapropenyl phenol and its unsulfurized metal salt.

8. The marine diesel cylinder lubricating oil composition according to claim 7, further comprising

(c) a minor amount of an additional detergent different from the overbased alkaline earth metal alkylphenate detergent of (b).

9. The marine diesel cylinder lubricating oil composition according to claim 7 or 8, wherein the BN of the marine lubricating oil composition ranges from 145 to 210, from 150 to 210, from 155 to 210, from 160 to 210, or from 170 to 210, from 180 to 210, from 145 to 200, from 150 to 200, from 160 to 200, or from 180 to 200 mg KOH/g.