## SUMMARY OF THE INVENTION

In one aspect, there is provided a marine diesel lubricating oil composition comprising: (a) a major amount of an oil of lubricating viscosity; and (b) about 0.1 wt. % to about 10 wt. % actives, based on the total weight of the lubricating oil composition, of at least one Mannich reaction product prepared by the condensation of a polyisobutyl-substituted hydroxyaromatic compound, wherein the polyisobutyl group is derived from polyisobutene containing at least about 70 wt. % methylvinylidene isomer and has a number average molecular weight of from about 400 to about 2500, an aldehyde, an amino acid or ester derivative thereof, and an alkali metal base; wherein the lubricating oil composition has a BN of 5 to 200 mg KOH/g, and further wherein the marine diesel lubricating oil composition is a monograde lubricating oil composition meeting the specifications for SAE J300 revised January 2015 requirements for a SAE 20, SAE 30, SAE 40, SAE 50 or SAE 60 monograde lubricating oil.

In another aspect, there is provided a marine trunk piston engine oil lubricating oil composition comprising: (a) a major amount of an oil of lubricating viscosity; and (b) about 0.1 wt. % to about 10 wt. % actives, based on the total weight of the marine trunk piston engine lubricating oil composition, of at least one Mannich reaction product prepared by the condensation of a polyisobutyl-substituted hydroxyaromatic compound, wherein the polyisobutyl group is derived from polyisobutene containing at least about 70 wt. % methylvinylidene isomer and has a number average molecular weight of from about 400 to about 2500, an aldehyde, an amino acid or ester derivative thereof, and an alkali metal base; wherein the marine trunk piston engine lubricating oil composition has a TBN of 10 to 80 mg KOH/g, and further wherein the marine trunk piston engine oil lubricating oil composition is

a monograde lubricating oil composition meeting the specifications for SAE J300 revised January 2015 requirements for a SAE 30, or SAE 40 monograde lubricating oil.

In yet another aspect, there is provided a marine system lubricating oil composition comprising: (a) a major amount of an oil of lubricating viscosity; and (b) about 0.1 wt. % to about 10 wt. % actives, based on the total weight of the marine system lubricating oil composition, of at least one Mannich reaction product prepared by the condensation of a polyisobutyl-substituted hydroxyaromatic compound, wherein the polyisobutyl group is derived from polyisobutene containing at least about 70 wt. % methylvinylidene isomer and has a number average molecular weight of from about 400 to about 2500, an aldehyde, an amino acid or ester derivative thereof, and an alkali metal base; wherein the marine system oil lubricating oil composition has a TBN of 5 to 40 mg KOH/g, and further wherein the marine system oil lubricating oil composition is a monograde lubricating oil composition meeting the specifications for SAE J300 revised January 2015 requirements for a SAE 20, SAE 30 or SAE 40 monograde lubricating oil.

In a further aspect, there is provided a marine diesel cylinder lubricating oil composition comprising: (a) a major amount of an oil of lubricating viscosity; and (b) about 0.1 wt. % to about 10 wt. % actives, based on the total weight of the marine diesel cylinder lubricating oil composition, of at least one Mannich reaction product prepared by the condensation of a polyisobutyl-substituted hydroxyaromatic compound, wherein the polyisobutyl group is derived from polyisobutene containing at least about 70 wt. % methylvinylidene isomer and has a number average molecular weight of from about 400 to about 2500, an aldehyde, an amino acid or ester derivative thereof, and an alkali metal base; wherein the marine diesel cylinder lubricating oil composition has a TBN of 5 to 200 mg

KOH/g, and further wherein the marine diesel cylinder lubricating oil composition is a monograde lubricating oil composition meeting the specifications for SAE J300 revised January 2015 requirements for a SAE 30, SAE 40, SAE 50 or SAE 60 monograde lubricating oil.

In another aspect, there is provided a marine diesel cylinder lubricating oil composition comprising: (a) a major amount of an oil of lubricating viscosity; and (b) about 0.1 wt. % to about 10 wt. % actives, based on the total weight of the marine diesel cylinder lubricating oil composition, of at least one Mannich reaction product prepared by the condensation of a polyisobutyl-substituted hydroxyaromatic compound, wherein the polyisobutyl group is derived from polyisobutene containing at least about 70 wt. % methylvinylidene isomer and has a number average molecular weight of from about 400 to about 2500, an aldehyde, an amino acid or ester derivative thereof, and an alkali metal base; wherein the marine diesel cylinder lubricating oil composition has a TBN of 5 to 40 mg KOH/g, and further wherein the marine diesel cylinder lubricating oil composition is a monograde lubricating oil composition meeting the specifications for SAE J300 revised January 2015 requirements for a SAE 30, SAE 40, SAE 50 or SAE 60 monograde lubricating oil.

In accordance with one embodiment of the present invention, there is provided a lubricating oil composition comprising:

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

(b) about 0.1 wt. % to about 10 wt. % actives, based on the total weight of the lubricating oil composition, of at least one Mannich reaction product prepared by the condensation of a polyisobutyl-substituted hydroxyaromatic compound, wherein the polyisobutyl group is derived from polyisobutene containing at least about 70 wt. %

methylvinylidene isomer and has a number average molecular weight of from about 400 to about 2500, an aldehyde, an amino acid or ester derivative thereof, and an alkali metal base;

wherein the lubricating oil composition has a TBN of 5 to 200 mg KOH/g, and further wherein the lubricating oil composition is a monograde lubricating oil composition meeting the specifications for SAE J300 revised January 2015 requirements for a SAE 20, SAE 30, SAE 40, SAE 50 or SAE 60 monograde lubricating oil.

In accordance with another embodiment of the present invention, there is provided a marine diesel cylinder lubricating oil composition comprising:

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

(b) about 0.1 wt. % to about 10 wt. % actives, based on the total weight of the marine diesel cylinder lubricating oil composition, of at least one Mannich reaction product prepared by the condensation of a polyisobutyl-substituted hydroxyaromatic compound, wherein the polyisobutyl group is derived from polyisobutene containing at least about 70 wt. % methylvinylidene isomer and has a