What is claimed is:

1. A lubricating composition comprising: an oil of lubricating viscosity and a hydrogenated copolymer comprising at least one olefin polymer block (block A) and at least one vinyl aromatic polymer block (block B) with mole ratio of block A/(block A+B) of 0.5 to 0.9,

wherein block A contains repeat units with 5 mol % to 95 mol % of branched alkyl groups, with the proviso that when the copolymer comprises a tapered copolymer block A contains repeat units with greater than 38.5 mol % to 95 mol % of branched alkyl groups, wherein the branched alkyl groups of block A are further substituted; and

wherein the hydrogenated copolymer is further functionalised by at least one of the following routes:

(i) block A or block B being further functionalised with a pendant carbonyl containing group, and wherein the pendant carbonyl containing group is substituted to provide amine, imide or amide functionality, and

(ii) block A being further functionalised with an amine functionality bonded directly onto the olefin block polymer,

wherein the hydrogenated polymer comprises a nitrogen containing functional group derived from at least one aliphatic, aromatic or non-aromatic amine,

wherein the nitrogen-containing functional group is bonded to a carboxylic acid, and

wherein the amine comprises a nitrogen-containing monomer or an amine with a primary or secondary nitrogen group.

2. The lubricating composition of claim 1, wherein block A and/or block B independently further comprises a pendant carbonyl-containing group.

3. The lubricating composition of claim 1, wherein block A comprises a pendant carbonyl-containing group.

4. The lubricating composition of any one of claims 1 to 3, wherein the pendant carbonyl-containing group comprises a carboxylic acid or derivatives

thereof, including anhydrides, halides, or alkyl esters thereof containing no more than 7 carbon atoms on the alkyl ester group.

5. The lubricating composition of claim 4, wherein the carboxylic acid is a dicarboxylic acid.

6. The lubricating composition of any one of claims 1 to 5, wherein the nitrogen containing functional group is derived from at least one aliphatic, aromatic or non-aromatic amine.

7. The lubricating composition of any one of claims 1 to 6, wherein the nitrogen-containing functional group comprises at least one aromatic amine selected from Fast Violet B, Fast Blue BB, aniline, N-alkylanilines, di-(para-methylphenyl)amine, 4-aminodiphenylamine, N,N-dimethylphenylenediamine, naphthylamine, 4-(4-nitrophenylazo)aniline, sulfamethazine, 4-phenoxyaniline, 3-nitroaniline, 4-aminoacetanilide (N-(4-aminophenyl)acetamide)), 4-amino-2-hydroxy-benzoic acid phenyl ester (phenyl amino salicylate), N-(4-amino-phenyl)-benzamide, benzylamines, 4-phenylazoaniline, para-ethoxyaniline, para-dodecylaniline, cyclohexyl-substituted naphthylamine, and thienyl-substituted aniline.

8. The lubricating composition of any one of claims 1 to 7, wherein block A further comprising an amine functionality bonded directly onto the olefin block polymer, and wherein the amine comprises at least one of N-p-diphenylamine; 4-anilinophenyl methacrylamide; 4-anilinophenyl maleimide; 4-anilinophenyl itaconamide; acrylate and methacrylate esters of 4-hydroxydiphenylamine; the reaction product of p-aminodiphenylamine or p-alkylaminodiphenylamine with glycidyl methacrylate; the reaction product of p-aminodiphenylamine with isobutyraldehyde, derivatives of p-hydroxydiphenylamine; derivatives of phenothiazine; vinylogous derivatives of diphenylamine; or mixtures thereof.

9. The lubricating composition of any one of claims 1 to 8 further comprising at least one performance additive including a dispersant, an antioxidant, an antiwear agent, a friction modifier or mixtures thereof.

10. The lubricating composition of any one of claims 1 to 9, wherein the lubricating composition is an engine oil, and wherein the composition has at

least one of (i) a sulphur content of 0.8 wt % or less, (ii) a phosphorus content of 0.2 wt % or less, or (iii) a sulphated ash content of 2 wt % or less.

11. The lubricating composition of any one of claims 1 to 10, wherein the lubricating composition is an engine oil, and wherein the composition has a (i) a sulphur content of 0.5 wt % or less, (ii) a phosphorus content of 0.1 wt % or less, and (iii) a sulphated ash content of 1.5 wt % or less.

12. The use of the lubricating composition of any one of claims 1 to 11 as an engine oil for a 2-stroke or a 4-stroke internal combustion engine, a gear oil, an automatic transmission oil, a hydraulic fluid, a turbine oil, a metal working fluid or a circulating oil.

13. The use of the lubricating composition of any one of claims 1 to 11 as an engine oil for a 2-stroke or a 4-stroke marine diesel internal combustion engine.

What is claimed is:

1. A lubricating composition comprising:

(a) 1 to 99.99 wt % of an oil of lubricating viscosity;

(b) 0.01 to 50 wt % of an unfunctionalised hydrogenated diblock copolymer comprising at least one olefin polymer block (block A) and at least one vinyl aromatic polymer block (block B) with mole ratio of block A/(block A+B) of 0.5 to 0.9,

wherein block A contains repeat units with 40 mol % to 65 mol % of branched alkyl groups; and

(c) 0 to 49 wt % of a performance additive;

wherein the hydrogenated diblock copolymer comprises a backbone of styrene and butadiene repeat units.

2. The lubricating composition of claim 1, wherein the hydrogenated copolymer has a number average molecular weight of 1000 to 1,000,000.

3. The lubricating composition of claim 1, wherein the hydrogenated copolymer has a polydispersity of 1 to less than 1.6.

4. The lubricating composition of claim 1, wherein the performance additive includes a dispersant, an antioxidant, an antiwear agent, a friction modifier or mixtures thereof.

5. The lubricating composition of claim 1, wherein the lubricating composition is an engine oil, and wherein the composition has at least one of (i) a sulphur content of 0.8 wt % or less, (ii) a phosphorus content of 0.2 wt % or less, or (iii) a sulphated ash content of 2 wt % or less.

6. The lubricating composition of claim 1, wherein the lubricating composition is an engine oil, and wherein the composition has a (i) a sulphur content of 0.5 wt % or less, (ii) a phosphorus content of 0.1 wt % or less, and (iii) a sulphated ash content of 1.5 wt % or less.

7. A method of lubricating a 2-stroke or a 4-stroke marine diesel internal combustion engine comprising supplying thereto the lubricating composition of claim 1.