WHAT IS CLAIMED IS

1. A low-temperature stable lubricating composition comprising:

a base oil of lubricating viscosity;

a polymeric surfactant with non-polar moieties and polar functional groups effective to maintain a fluid emulsion as evidenced by a measured flow point of about 75% or less at lubricant temperatures down to about -30 °C; and

water and/or fuel contamination.

2. The low-temperature stable lubricating composition of claim 1, wherein the polymeric surfactant is a copolymer obtained from reactants having ethylenic unsaturation and being functionalized either through grafting of polar groups or by incorporation of polar co-reactants in the polymerization; and/or wherein the polymeric surfactant is a copolymer obtained from reactants including alkyl (meth)acrylate(s) and heterocyclic reactant(s) having a polymerizable ethylenically unsaturated substituent.

3. The low-temperature stable lubricating composition of claim 2, wherein the heterocyclic reactant(s) having a polymerizable ethylenically unsaturated substituent includes vinyl lactones, vinyl lactams, combinations thereof, and derivatives thereof; and/or wherein the heterocyclic reactant(s) having a polymerizable ethylenically unsaturated substituent include vinyl pyrrolidone, vinyl pyridine, combinations thereof, and derivatives thereof.

4. The low-temperature stable lubricating composition of any preceding claim, wherein the alkyl (meth)acrylate reactant includes reactants selected from C1 to C20 linear or branched alkyl (meth)acrylate reactants.

5. The low-temperature stable lubricating composition of any preceding claim, wherein a weight average molecular weight of the polymeric surfactant is about 40,000 or greater; and/or wherein the polymeric surfactant has a weight average molecular weight about 800,000 or less.

6. The low-temperature stable lubricating composition of any preceding claim, wherein the lubricating composition includes about 0.01 to about 3 weight

~~percent of the polymeric surfactant, preferably less than about 1 weight percent, and more preferably less than about 0.5 weight percent of the polymeric surfactant.~~

~~7. The low-temperature stable lubricating composition of any preceding claim, wherein the polar functional groups are pendant to a non-polar polymeric backbone.~~

~~8. The low-temperature stable lubricating composition of any preceding claim, wherein the polar functional groups of the polymeric surfactant include one or more of oxygen, nitrogen, sulfur, or phosphorus atoms.~~

~~9. The low-temperature stable lubricating composition of any preceding claim, wherein the lubricating composition is emulsified with water and fuel to generate a fluid emulsion at temperatures down to about -30 °C.~~

~~10. The low-temperature stable lubricating composition of any preceding claim, wherein the lubricating composition is an engine oil.~~

~~11. The low-temperature stable lubricating composition of any preceding claim, wherein the lubricating composition is a passenger car motor oil.~~

~~12. The low-temperature stable lubricating composition of any preceding claim, wherein the fuel is selected from the group consisting of gasoline, an alcohol-based fuel, and an alcohol-blended fuel; and/or wherein the fuel is an ethanol-blended gasoline; and/or wherein the ethanol-blended gasoline is selected from the group consisting of E10, E50, E85, and E100.~~

~~13. A method of lubricating an engine at low temperatures, the method comprising providing a lubricating composition of any of claims 1 to 12 and lubricating the engine with the lubricating composition at temperatures to about -30 °C.~~

~~14.~~1. A method for maintaining a fluid viscosity of a lubricating composition~~,~~ contaminated with water~~,~~ and/or fuel~~,~~ when measured at a temperature of about -30° C., the method comprising adding to a lubricating composition an~~d~~ additive including about 0.1 weight percent to about 0.4 weight percent of a

polymeric surfactant with non-polar moieties and about 15 to about 30 weight percent of polar functional groups effective to maintain a fluid viscosity of the lubricating composition, water, and/or fuel ~~emulsion~~ as evidenced by a measured flow point of about ~~75~~45% or less ~~at lubricant temperatures down to about -30 °C~~ when the lubricating composition is mixed with water and/or fuel contamination~~.~~ and when measured at a temperature of about −30° C., and wherein the polymeric surfactant has a weight average molecular weight of about 40,000 to about 450,000 and wherein the polymeric surfactant is a copolymer obtained from reactants having ethylenic unsaturation and being functionalized either through grafting of polar groups or by incorporation of polar co-reactants in the polymerization and wherein the reactants having ethylenic unsaturation include alkyl (meth)acrylates having an alkyl chain length of 1 to 20 carbons providing the non-polar moieties and the polar functional groups include n-vinyl pyrrolidone or dimethylaminopropyl (meth)acrylamide.

~~15. The method of claim 14, wherein the polymeric surfactant is described in any of claims 2 to 12.~~

2. The method of claim 1, wherein the fuel is gasoline.

3. The method of claim 1, wherein the polar functional groups are pendant to a non-polar polymeric backbone.

4. The method of claim 1, wherein the lubricating composition is emulsified with water and fuel to maintain a fluid viscosity at temperatures down to about −30° C.

5. The method of claim 1, wherein the lubricating composition is an engine oil.

6. The method of claim 1, wherein the lubricating composition is a passenger car motor oil.

7. The method of claim 6, wherein the fuel is selected from the group consisting of gasoline, an alcohol-based fuel, and an alcohol-blended fuel.

8. The method of claim 1, wherein the fuel is an ethanol-blended gasoline.

9. The method of claim 1, wherein the fuel is selected from the group consisting of E10, E50, E85, and E100.