

Title (en)
COMPOSITION CONTAINING A BLOCK COPOLYMER AND A METHOD OF LUBRICATING AN INTERNAL COMBUSTION ENGINE

Title (de)
EIN BLOCKPOLYMER ENTHALTENDE ZUSAMMENSETZUNG UND VERFAHREN ZUM SCHMIEREN EINER BRENNKRAFTMASCHINE

Title (fr)
COMPOSITION CONTENANT UN COPOLYMÈRE SÉQUENCÉ ET PROCÉDÉ DE LUBRIFICATION D'UN MOTEUR À COMBUSTION INTERNE

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Application
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Abstract (en)
[origin: WO2010053890A1] The invention provides a lubricating composition containing an oil of lubricating viscosity and a block copolymer. The block copolymer may contain (a) a hydrophobic first block having C1-30 alkyl (meth)acrylic units, wherein at least 50 wt % of the C1-30 alkyl (meth)acrylic units are C12-15 alkyl (meth)acrylic units, and up to 50 wt % of the C1-30 alkyl (meth)acrylic units are C16 20 alkyl (meth)acrylic units, with the proviso that alkyl groups of the C1-30 alkyl (meth)acrylic units have an average total number of carbon atoms of at least 8; and (b) a second block having (meth)acrylic units further having a heteroatom-containing group providing a polar group. The invention further relates to a method of lubricating an internal combustion engine by lubricating the engine with the lubricating composition. The invention further relates to the use of the block copolymer as an emulsifier and/or pour point depressant.

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