

Title (en)

DISPERSANTS AND DISPERSANT VISCOSITY INDEX IMPROVERS FROM SELECTIVELY HYDROGENATED POLYMERS

Title (de)

DISPERGIERMITTEL UND DISPERGIERMITTEL-VISKOSITÄT-INDEXVERBESSERER AUS SELEKTIV HYDRIERTEN POLYMEREN

Title (fr)

DISPERSANTS ET ADDITIFS D'INDICE DE VISCOSITE POUR DISPERSANTS A BASE DE POLYMERES HYDROGENES SELECTIVEMENT

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Application

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Priority

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Abstract (en)

[origin: WO9925744A1] The invention provides dispersants and dispersant viscosity index improvers which include polymers of conjugated dienes which have been hydrogenated and functionalized. The dispersant substances include compositions including a copolymer of two different conjugated dienes, a copolymer of a p-alkylstyrene and a conjugated diene, or a homopolymer of a conjugated diene. The polymers are selectively hydrogenated to produce polymers which have highly controlled amounts of unsaturation, permitting highly selective functionalization. Also provided are lubricant fluids, such as mineral and synthetic oils, which have been modified in their dispersancy and/or viscometric properties by means of the dispersant substances of the invention. Also provided are methods of modifying the dispersancy and/or viscometric properties of lubricating fluids such as mineral and synthetic lubricating oils. The dispersant substances may also include a carrier fluid to provide dispersant concentrates.

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