

# Synthesis of Oil-Soluble Multipurpose Sulfonate Additives Based on Low-Molecular-Weight Alkylphenols

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**Abstract**—New multipurpose sulfonate additives improving the detergent, dispersant, anticorrosive, and antioxygenic properties of lubricant oils were developed on the basis of sulfomethylated alkyl(C<sub>10</sub>–C<sub>14</sub>)phenol–formaldehyde condensation product.

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