

## A new viscosity-temperature relationship for mineral oil SAE 10W

Ioana STANCIU

*Department of Chemistry, University of Bucharest, 4-12 Regina Elisabeta Blvd., Bucharest 030018, Romania*

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**Abstract** This article proposes four relationships of dynamic viscosity temperature dependence for a non-additivated mineral oil. The purpose of this study was to find a polynomial or exponential dependence between temperature and dynamic viscosity of mineral oil, using the Andrade equation changes. Equation constants A, B, C and D were determined by fitting polynomial or exponential.

**Keywords:** viscosity, temperature, mineral oil.

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