

**SURFACE TENSION, VISCOSITY, AND THERMAL CONDUCTIVITY
OF NANOLUBRICANTS AND VAPOR PRESSURE OF REFRIGERANT/NANOLUBRICANT
MIXTURES**

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ABSTRACT: It is shown that adding the nanoparticles of TiO_2 , MoS_2 , and Cu, leads to decreasing the surface tension by up to 15%, increasing the thermal conductivity and viscosity by up to 2.5% and increasing the saturated vapor pressure of solutions by up to 0.06 MPa.