## A MODIFIED CAPILLARY VISCOMETER: DYNAMIC VISCOSITY MEASUREMENTS FOR DECANE UP TO 30 MPa AND 333 K

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In this work, results of dynamic viscosities measurements for Decane are presented. The viscosity have been measured with a modified capillary viscometer designed and built to operate at pressures up to 40 MPa and temperatures up to 473.15 K. The viscosity was measured at pressures up to 30 MPa and temperatures up to 333 K. The total uncertainties of the dynamic viscosity measurements were estimated to be less than 1%. Experimental improvements are carrying out in order to have uncertainty in viscosity less than 0.5 %. The measurements where the differences between the literature and the measurements reported here is less than 0.5%.

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