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PER SQUARE CENTIMETER ON THE VISCOSITY OF  
HIGHLY VISCOUS LIQUIDS SUCH AS LUBRICATING  
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Order from OTS or SLA \$1.10 61-16956

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DESCRIPTORS: \*Lubrication, \*Oils, \*Viscosity  
Liquids, Pressure, Temperature, Test equipment.

A special apparatus for examination of the viscosity of liquids or molten solids at elevated pressures and temperatures is described. With the aid of this apparatus, automobile oils, cylinder oil, aviation oil, machine oil, a residual oil, rosin and two sugar solutions in glycerin were tested. The viscosity of the lubricating oils was found to greatly increase with rise of the  
(Materials--Fuels. TT, v. 6, no. 9) (over)

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Order from OIS or SLA \$1.10                    61-18598

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960,  
v. 115 (no. 1) p. 65-68.

DESCRIPTORS \*Rock; Elasticity; Pressure;  
Temperature

Experiments showed that under effect of uniform pres-  
sure the elastic parameters of rocks increase, except  
the coefficient of Poisson, which changes irregularly.  
The values of longitudinal wave rates, especially the  
corrected with discount of temperature effect, coincide  
satisfactorily with the data from deep seismic  
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DESCRIPTORS \*Propenes. \*Polymers. Mechanical  
properties. Infrared spectroscopy. Dichroism

(Chemistry - Organic, II, v. 6, no. 1)

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