

Oil Viscosity Conversion Factors

To Convert ↓	Multiply By This Factor ,To Obtain ↓	Poise (P)	Centipoise (Z)	Reyn (μ)	Stoke (S)	Centistoke (v)
Poise (P) $\frac{\text{dyne-s}}{\text{cm}^2} = \frac{\text{gram mass}}{\text{cm-s}}$		1	100	1.45×10^{-5}	$\frac{1}{\rho}$	$\frac{100}{\rho}$
Centipoise (Z) $\frac{\text{dyne-s}}{100\text{cm}^2} = \frac{\text{gram mass}}{100\text{cm-s}}$		0,01	1	1.45×10^{-7}	$\frac{0,01}{\rho}$	$\frac{1}{\rho}$
Reyn (μ) $\frac{\text{lb force-s}}{\text{in}^2}$		6.9×10^4	6.9×10^6	1	$\frac{6.9 \times 10^4}{\rho}$	$\frac{6.9 \times 10^6}{\rho}$
Stoke (S) $\frac{\text{cm}^2}{\text{s}}$		ρ	100 ρ	$1.45 \times 10^{-5} \rho$	1	100
Centistoke (v) $\frac{\text{cm}^2}{100\text{s}}$		0.01 ρ	ρ	$1.45 \times 10^{-7} \rho$	0,01	1

ρ = Specific gravity of the oil

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