

Beggs-Robinson (1975) dead oil viscosity o @model

Dead oil viscosity	od	cp	p > p _b	$\mu_{od}(T) = 10^X - 1, \quad X = 10^Z T^{c_3}, \quad Z = c_1 + c_2 \gamma_{API}$ $c_1 = 3.0324, \quad c_2 = -0.02023, \quad c_3 = -1.163$
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where

T	°F	Fluid temperature
γ_{API}	°API	Oil API gravity

See Also

[Petroleum Industry / Upstream / Petroleum Engineering / Subsurface E&P Disciplines / Reservoir Engineering \(RE\) / PVT correlations / Oil correlations](#)

[[Beggs-Robinson \(1975\) oil viscosity correlations](#)]

References

Beggs, H.D., and J.R. Robinson. "Estimating the Viscosity of Crude Oil Systems." J Pet Technol 27 (1975): 1140–1141. doi: <https://doi.org/10.2118/5434-PA>