Glaso(1980) dead oil viscosity o @model

Dead oil viscosity	**o**	cp	**p = 1 atm**	$\mu_{od}(T) = c_1\, T^{c_2}\, \left[\log_{10}(\gamma_{API})\right]^{X},\quad X = c_3\, \log_{10}(T) + c_4$ $c_1 = 3.141 \cdot 10^{10},\ c_2 = -3.444,\ c_3 = 10.313,\ c_4 = -36.447$

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

[Glaso (1980) oil correlations]

References

Glaso, Oistein. "Generalized Pressure-Volume-Temperature Correlations." J Pet Technol 32 (1980): 785–795. doi: https://doi.org/10.2118/8016-PA