

w water viscosity Meehan correlation @model

(1) $\mu_w(T,p)=\mu_{w1}\cdot\left[1+3.5\cdot10^{-12}\cdot(T-40)\cdot p^2\right]$	(2) $A=-0.04518+0.009313\,S-0.000393\,S^2$
(3) $\mu_{w1}(T)=A+B/T$	(4) $B=70.634+0.009576\,S^2$

where

μ_w	Dynamic viscosity, cp at temperature T and pressure p
μ_{w1}	Dynamic viscosity, cp at temperature T and atmospheric pressure $p=1$ atm
T	Temperature, °F
p	Pressure, psi
S	Water salinity

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