

Dynamic fluid viscosity

[@wikipedia](#)

Fluid property, characterising a stress τ arising in **fluid** due to shear or tensile deformation:

(1)
$$\tau = \mu \cdot \frac{\partial u}{\partial l}$$

where

$\frac{\partial u}{\partial l}$	shear velocity
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Dimension	SI units	Oil metric units	Oil field units
M L ⁻¹ T ⁻¹	Pas	cp = 10 ³ Pas	cp = 10 ³ Pas

See Also

[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#) / [Fluid \(PVT\) Analysis](#) / [Fluid \(PVT\) modelling](#)

[[Kinematic viscosity](#)][[Dynamic fluid viscosity @model](#)]