

Distinguish, differentiate, compare and explain what is the difference between viscous and non-viscous flow. Comparison and Differences.

## **Difference between Viscous and Non-viscous Flow**

1. In viscous flow, fluid moves in adjacent layers without slip. Non-viscous or turbulent flow is characterized by random, erratic, unpredictable motion of fluid particles which results in eddy currents.
2. Viscous flow occurs at low velocity while non-viscous occurs at higher velocities.
3. In viscous shear stresses are of small magnitude. In non-viscous flow shear stresses are much greater.

Steady Run