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(57) Abstract :

The present invention discloses a Novel composition for Two-Wheeler Connecting Rod. fabrication is carried out with various chemical composition of the selected material. It is observed that Forged Steel, Titanium Alloy, Aluminium Alloy 7075 are used for connecting rod. Among these materials Aluminium Alloy 7075 is having lesser Von Mises Stress and Strain, so it is chosen for further study. In the subsequent part, the fabrication of materials by changing the Silicon and Aluminium percentage in Aluminium 7075 is done. The analysis shows that the material with higher percentage of Silicon (Si) is having lesser Von-Mises stress and Strain.

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