Calculated Load Value

LOAD_PCT (PID $04) =

$$\frac{\text{current airflow}}{(\text{peak airflow at WOT@STP as a function of rpm}) * (BARO/29.92) * SQRT(298/(AAT+273))}$$

Where: STP = Standard Temperature and Pressure = 25 ^{o}C, 29.92 in Hg BARO,
SQRT = square root,
WOT = wide open throttle,
AAT = Ambient Air Temperature and is in ^{o}C

MAF Sensor Voltage

Current Airflow

$$\frac{\text{current airflow}}{(\text{peak airflow at WOT@STP as a function of rpm}) * (BARO/29.92) * SQRT(298/(AAT+273))}$$

Peak Airflow   **Altitude Correction**   **Temperature Correction**

| Calibration Table: Airflow as a function of rpm | BARO (inferred from MAF sensor) or MAP sensor voltage | Ambient Air Temp, inferred from IAT sensor voltage |

engine rpm