## Gas to Oil Pre-Mix Ratios for Two Stroke Engines

## USA Mixtures

Ounces of Oil to Gallons of Gas

| $\begin{aligned} & \text { Ratio } \\ & \text { Gas to Oil } \end{aligned}$ | $\begin{gathered} 1 \\ \text { Gallon } \\ \text { Gas } \end{gathered}$ | $\begin{gathered} 2 \\ \text { Gallons } \\ \text { Gas } \end{gathered}$ | $\begin{gathered} 3 \\ \text { Gallons } \\ \text { Gas } \end{gathered}$ | $\begin{gathered} 4 \\ \text { Gallons } \\ \text { Gas } \end{gathered}$ | $\begin{gathered} 5 \\ \text { Gallons } \\ \text { Gas } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 16 to 1 | $\begin{gathered} 8 \mathrm{Oz} \\ \mathrm{Oil} \end{gathered}$ | $\begin{gathered} 16 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 24 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 32 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 40 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ |
| $\begin{gathered} 20 \text { to } 1 \\ \text { BEST } \end{gathered}$ | $\begin{aligned} & \text { 6.4 Oz } \\ & \text { Oil } \end{aligned}$ | $\begin{gathered} 12.8 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} \text { 19.2 Oz } \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 25.6 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 32 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ |
| $\begin{gathered} 32 \text { to } 1 \\ \text { OK } \end{gathered}$ | $\begin{gathered} 4 \mathrm{Oz} \\ \mathrm{Oil} \end{gathered}$ | $\begin{gathered} 8 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 12 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 16 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 20 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ |
| 40 to 1 NOT SO GOOD | $\begin{gathered} 3.2 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 6.4 \text { Oz } \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 9.6 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 12.8 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 16 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ |
| 50 to 1 <br> DO NOT USE | $\begin{gathered} 2.56 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 5.12 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 7.68 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 10.24 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 12.8 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ |
| $100 \text { to } 1$ <br> NEVER USE ! | $\begin{gathered} 1.28 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 2.56 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 3.84 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 5.12 \mathrm{Oz} \\ \text { Oil } \end{gathered}$ | $\begin{aligned} & 6.4 \mathrm{Oz} \\ & \text { Oil } \end{aligned}$ |

To Use: Pick your ratio, pick the amount of gas you want to use and follow the columns and rows to the correct amount of oil. For 1 gallon at 20 to 1 , follow the 1 gallon column down to the 20 to 1 row and you find you will need 6.4 Oz of oil.

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# Gas to Oil Pre-Mix Ratios for Two Stroke Engines 

## Metric Mixtures

Milliliters of Oil to Liters of Gas

| Percentage of Oil to Gas | 1 Liter Gas | 2 Liters <br> Gas | 3 Liters Gas | 4 Liters Gas | 5 liters Gas |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 1 \% \\ 100 \text { to } 1 \text { Ratio } \\ \text { DO NOT USE! } \end{gathered}$ | $\begin{gathered} 10 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 20 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 30 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 40 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 50 \mathrm{ML} \\ \text { Oil } \end{gathered}$ |
| $\begin{gathered} 2 \% \\ 50 \text { to } 1 \text { Ratio } \\ \text { NOT SO GOOD } \end{gathered}$ | $\begin{gathered} 20 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 40 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 60 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 80 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 100 \mathrm{ML} \\ \text { Oil } \end{gathered}$ |
| $\begin{gathered} 3 \% \\ 33 \text { to } 1 \text { Ratio } \\ \text { OK } \end{gathered}$ | $\begin{gathered} 30 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 60 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 90 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 120 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 150 \text { ML } \\ \text { Oil } \end{gathered}$ |
| $\begin{gathered} 4 \% \\ 25 \text { to } 1 \text { Ratio } \\ \text { GOOD } \end{gathered}$ | $\begin{gathered} 40 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 80 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 120 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 160 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 200 \text { ML } \\ \text { Oil } \end{gathered}$ |
| $\qquad$ | $\begin{gathered} 50 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 100 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 150 \mathrm{ML} \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 200 \text { ML } \\ \text { Oil } \end{gathered}$ | $\begin{gathered} 250 \text { ML } \\ \text { Oil } \end{gathered}$ |

To Use: Pick your percentage or ratio, pick the amount of gas you want to use and follow the columns and rows to the correct amount of oil. For 1 liter at $5 \%$ ( 20 to 1), follow the 1 liter column down to the $5 \%$ row and you find you will need 50 Milliliters (ML) of oil per liter.

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