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OIL/GAS MIX RATIO (2 – STROKE ENGINES)

Note: When mixing, measure with gallons (gal) and ounces (oz). Normally gas is measured in gallons and 2 cycle oil is measured in ounces so we need to convert gallons to ounces.

There are 128 oz. in a gallon

The following example uses mix ratio 50:1 using 1 gallon of gasoline.
(1 gallon of gasoline divided by 50) : (2.56 oz. of oil)
50:1

OR

$\frac{G \times 128}{M}$ = oz. of oil to add

G = Gallon(s)
M = Mix Constant (e.g., 50 if you are using 50:1)

If you are still confused just use the chart below... find how much gas you have on top and your ratio on the side and meet them to find the amount of oil you will need. "In ounces (oz)"

Gal/mix	0.5	1.0	1.5	2.0	2.5	3.0	5.0	10.0
20:1	3.20	6.40	9.60	12.80	16.00	22.40	32.00	64.00
25:1	2.56	5.12	7.68	10.24	12.80	15.36	25.60	51.20
30:1	2.13	4.26	6.39	8.53	10.66	12.80	21.33	42.66
35:1	1.82	3.65	5.48	7.31	9.14	10.97	18.28	36.57
40:1	1.60	3.20	4.80	6.40	8.00	9.60	16.00	32.00
50:1	1.28	2.56	3.84	5.12	6.40	7.68	12.80	25.60
100:1	0.64	1.28	1.92	2.56	3.20	3.84	6.4	12.8

Due to the many different 2 stroke oils manufactured in today's market there are uncertain viscosity levels that are used. As well as different octanes in fuel. That makes it hard to recommend a specific Gas/Oil mix ratio. With that being said it is left up to the customers preference on which mix ratio to use. Always follow engine manufactures specifications.

Gal/mix
20:1
25:1
30:1
35:1
40:1
50:1
100:1