



TECH TIP

Oil tanks: How Full to Fill them?

Peterson Oil tanks are rated in gallons of total capacity. A good rule of thumb is to run the tank about 2/3 full. When you first fill the tank, make a dipstick using a wood dowel or use a tape measure down through the cap and get a measurement as you put in each quart of oil. This can then be used to check the oil level on race night. After starting the engine, recheck the level and add oil as necessary to get about 2/3 full. If you find that you are blowing oil out of the breather, try lowering the level in the tank by about a quart. Blowing oil is often the result of the tank being too full.



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Breather Cans

When plumbing in a breather can, to breathe the engine, you should use at least a - 12 AN hose. The hose should run slightly up hill to the can so that any oil reaching the hose can run back down the hose to the tank. Be sure that the hose does not have any dips where oil can accumulate.

Remember- The air coming from the oil tank to the breather is a result of having multiple scavenge sections which pump a lot of air from the engine. If the breather hose is too small, the velocity of the air will increase over what it would be with a larger hose. This increase in velocity will tend to carry more oil droplets to the breather can. This is why a larger hose is better.