



▶ **Go Kart
Engine
Smoking???**

**Black smoke = gasoline smoke
check air filter, choke and carburetor**

**White/Blue smoke = oil smoke
check oil level first along with condition of oil**

If engine oil is over full, it is likely that 1 of 2 possibilities occurred:

1st Possibility: The carburetor seriously flooded engine with gas when engine was shut off. That gas went down into the crankcase and mixed with the oil.

SOLUTION: Repair or replace carburetor and old fuel hoses, and check gas cap venting. Change engine oil before running kart.

2nd Possibility: (on GX160/GX200 only) The crankshaft oil seal between clutch & engine crankcase cover has failed and is allowing the engine crankcase to syphon oil out of the clutch.

SOLUTION: Replace oil seal, change oil in clutch and engine, and finally make sure vent hole in clutch dipstick cap is not obstructed.

If engine oil is NOT over full, check out these possibilities:

If the problem is caused by worn rings, piston and/or cylinder walls, smoke will occur mostly when engine is being run at high speed on the track for an extended period of time.

Worn valve stems, valve guides and a bad intake valve stem seal in the engine will smoke during engine idling and initially when karts are first driven after long periods of idling.

Other things that can cause oil smoking are overheating the engine, a pinched or kinked breather tube, a dirty air filter, a bad breather valve, a leaking head gasket, worn piston skirts, worn piston ring lands, a worn governor arm shaft/bushing hole and finally any oil seal or gasket leaking excess air into the crankcase which can cause pressurization, which will force oil out through the breather tube into the carburetor.