

# THE Gilson SNOW BLOWER SHOP

# Service Bulletin

Date: February 6, 2014

Service Bulletin # GSBS-07

To: All Gilson Snow Cannon owners

Subject: Fuel Mix Guidance

Machine Style: Snow Cannon

Snow Cannons were built with engines from Tecumseh, Briggs & Stratton and OMC over the years the following service manual excerpt explains the appropriate fuel / oil mixes.

### BRIGGS & STRATTON ENGINE FUEL MIXTURE

Use a high quality BIA certified 2 cycle oil. Purchase clean, fresh "regular" winter grade gasoline.

**Initial Start Only:** For proper break-in, the first tank of fuel must have a gasoline to oil ratio of 16:1. In a separate container, **thoroughly mix** 8 ounces (0.25 liters) of oil with 1 gallon (3.79 liters) of gasoline.

After break-in, the gasoline to oil ratio is 32:1. In a separate container, **thoroughly mix** 4 ounces (0.125 liters) of oil with 1 gallon (3.79 liters) of gasoline.

**CAUTION:** Observe recommended gasoline to oil mixing ratio to prevent engine damage.

Fuel/Oil Mixture Chart

Gasoline Gallons	2 Cycle Oil Ounces	Gasoline Liters	2 Cycle Oil Liters
1 (Break-In)	8 (Break-In)	4 (Break-In)	.25 (Break-In)
1	4	4	.125
2	8	8	.25
5	20	20	.625

### TECUMSEH ENGINE

FUEL MIX CHART Mixture 32:1/ 3%					
U.S.		IMPERIAL		S.I. (METRIC)	
Gas	Oil To Be Added	Gas	Oil To Be Added	Petrol	Oil To Be Added
1 Gal.	4 oz.	1 Gal.	4.5 oz.	4 Liters	.125 L
2 Gal.	8 oz.	2 Gal.	9 oz.	8 Liters	.250 L
5 Gal.	20 oz.	5 Gal.	22 oz.	20 Liters	.625 L

### OMC LUBRICANT FUEL MIXTURE CHART

FUEL MIX CHART Mixture 32:1/ 3%					
U.S.		IMPERIAL		S.I. (METRIC)	
Gas	Lubricant To Be Added	Gas	Lubricant To Be Added	Petrol	Lubricant To Be Added
1 Gal.	4 oz.	1 Gal.	4.5 oz.	4 Liters	.125 L
2 Gal.	8 oz.	2 Gal.	9 oz.	8 Liters	.250 L
5 Gal.	20 oz.	5 Gal.	22 oz.	20 Liters	.625 L

Lubrication (Oil) - Use OMC SPECIAL lubricant available from your OMC dealer. If not readily available, use a good grade of two cycle oil from a reputable oil company. DO NOT USE AUTOMOTIVE OILS.

Fuel Mixture - Use a clean metal container. Mix thoroughly. DO NOT mix fuel directly in snow thrower fuel tank.

### WARNING 32:1

MIX OIL WITH REGULAR GRADE GASOLINE. USE SAE 30 OR 40 OUTBOARD OR 2-CYCLE OIL. DISREGARD INSTRUCTIONS ON OIL CONTAINERS. DO NOT MIX DIRECTLY IN ENGINE FUEL TANK, AS THIS WILL ALLOW OIL TO ENTER CARBURETOR WHICH MAY CAUSE ENGINE TO BE INOPERATIVE. DO NOT USE MULTI-VISCOSITY OILS. SUCH OILS MAY NOT PROVIDE ADEQUATE LUBRICATION AND DUE TO ADDITIVES MAY CAUSE EXCESSIVE PLUG FOULING. USE OF FRESH GASOLINE WHICH IS BLENDED FOR COLD WEATHER OPERATION WILL RESULT IN EASIER ENGINE STARTING THAN SUMMER BLENDED GASOLINE. DO NOT USE GASOLINE LEFT FROM SUMMER OPERATION. MEASURE OIL CAREFULLY. EXCESSIVE OIL IN FUEL MAY CAUSE HARD STARTING. NO START OR EXCESSIVE SMOKE AND PLUG FOULING.