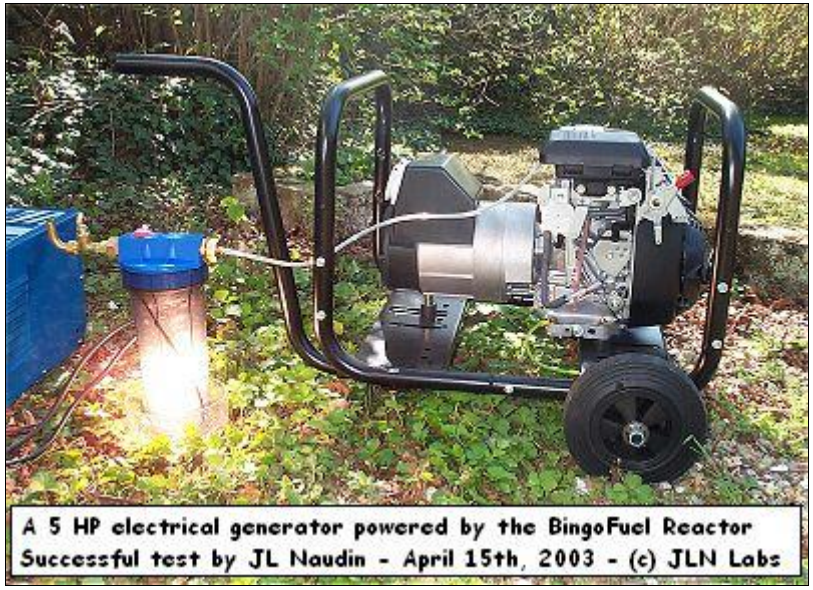

A 5HP Electrical Generator fully powered with the BingoFuel Reactor

created on April 2, 2003 - ***JLN Labs*** *- Last update April 18, 2003*

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On April 15th, 2003, an Electrical Generator powered with a 5HP (160 cm^3) 4-stroke combustion engine (a Honda GC160) has been tested successfully with the *BingoFuel Reactor*. The 5HP combustion engine has been fully powered with synthetic gas produced by the *BingoFuel Reactor*.

The Electrical Generator tested with the *BingoFuel Reactor* is a Ranger2500 from SDMO (see below) :

GROUPES ÉLECTROGÈNES MONOPHASÉS

50 hz			Moteur							Alternateur					Options				
Type	Puissance max 230V		Marque	Type	Sécurité huile	Démarrage électrique	HP 3600 tr/mn	h - Autonomie	L - Réservoir	230V Disjoncteur	Niveau sonore CEE Lwa	dB(A) @ 7 m	Dimensions L x l x h cm	Kg Poids	Kit brouette	Disjoncteur	Quick lock	Com. à distance	Coffret dén. auto
	kW ISO 8528	kVA Cont./Std																	
RANGER™ 2500	2,1	2,6	Honda OHC	GC 160	•	x	5	2,2	2	•	**98**	75	58x46x44	30	x	x	x	x	x

	ENGINE SPECIFICATIONS
MODEL	**HONDA GC160**
Type	4-stroke, overhead camshaft single cylinder
Total Displacement	160 cm³ (9.8 cu in)
Bore & Strike	64 x 50 mm (2.5 x 2.0 in)
Max Horsepower (Gross)	3.7 kw ¹(5.0hp) at 3,600 rpm
Max Torque (Gross)	10.3 N·m (1.05 kgf·m, 7.6 lbf·ft) at 2,500 rpm
Compression Ratio	8.5: 1
Fuel Consumption	313 g/kWh (230 g/HPh, 0.51 lb/HPh)
Cooling System	Forced-air

Ignition System	Transistorized magneto ignition
Ignition Timing	20° B.T.D.C
Spark Plug	BPR6ES (NGK)
Carburetor	Horizontal type, butterfly valve
Air Cleaner	Dry (paper) type
Governor	Centifugal mechanical governor
Lubricating System	Splash
Oil Capacity	0.58 lt (0.61 US qt, 0.55 Imp qt)
Recommended operating ambient tempature	-15°C to 40°C (5°F to 104°F)
Starting System	Recoil starter
Stopping System	ignition primary circuit ground
Fuel Used	Automotive unleaded gasoline (minimum 86 pump octane)
Fuel tank capacity	2.0 lt (0.53 US gal, 0.44 imp gal)
P.T.O. Shaft Rotation	Counterclockwise (viewed from P.T.O. side)

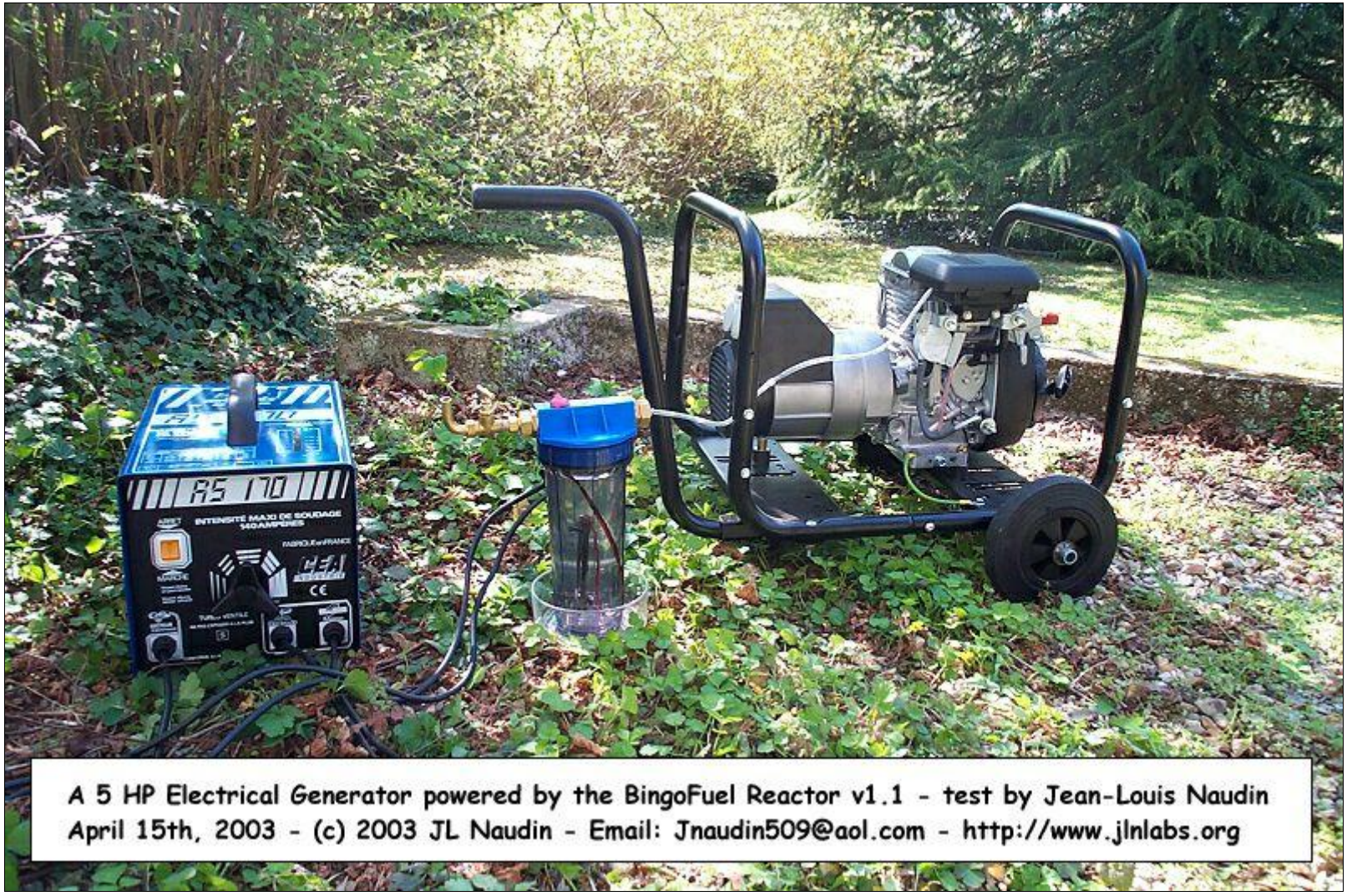

RS 170
INTENSITE MAXI DE SOUDAGE
140 AMPERES
A 5 HP Electrical Generator powered by the BingoFuel Reactor v1.1 - test by Jean-Louis Naudin
April 15th, 2003 - (c) 2003 JL Naudin - Email: Jnaudin509@aol.com - http://www.jlnlabs.org

Photo above: The fuel tank (not used here) has been completly removed for this test.

Photo above: The air filter has been removed and the synthetic gas output is directly placed at the carburettor input.

Tests results with the BingoFuel Reactor v1.1

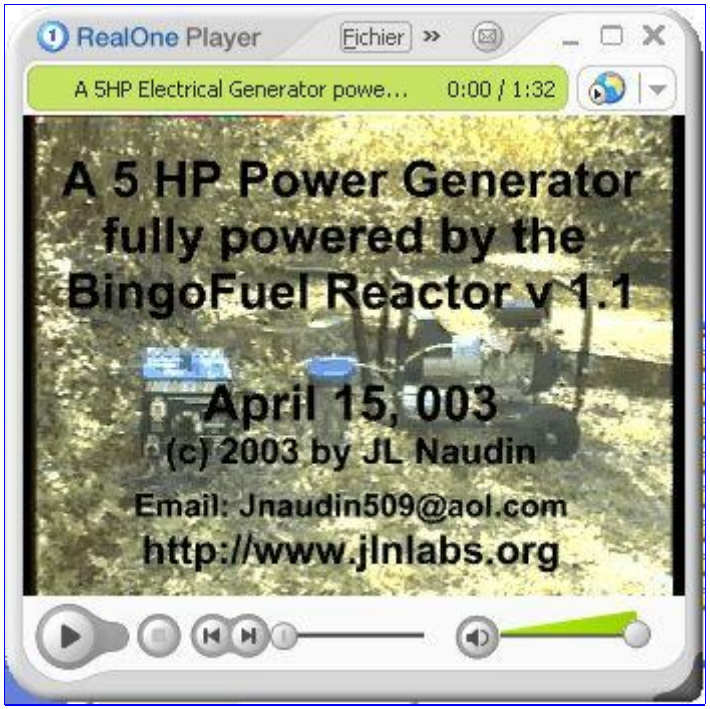

A 5 HP Electrical Generator powered by the BingoFuel Reactor v1.1 - test by Jean-Louis Naudin
April 15th, 2003 - (c) 2003 JL Naudin - Email: Jnaudin509@aol.com - http://www.jlnlabs.org

Two tests runs have been conducted successfully, in all the cases the 5HP engine has worked without any problem.

See the video of the 5HP engine fully powered with the BingoFuel Reactor

To see the video, the free downloadable RealPlayer is required

You may download free the RealPlayer 8 Basic at : http://proforma.real.com/real/player/blackjack.html



Click on the picture above to see the video (937 Kb)

Comments from JL Naudin : These tests are very encouraging and confirms fully that the synthetic gas generated by the *BingoFuel Reactor* can be used as fuel for a common combustion engine...

See also the previous tests :

- **Burning gas tests generated by the *BingoFuel Reactor***

Email : **JNaudin509@aol.com**

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return to the BingoFuel project home page