

Vortex XS-FLO NEWS

INGENIO TABOGA S.A. (one of the largest Sugar Mills in Costa Rica)

FUEL CONSUMPTION STUDY ON STATIONARY PUMPS AND VORTEX XS-FLO FUEL SAVERS 2/1/07

PUMP MAKE	UNIT JOHN DEERE	6 CYLINDER	TURBO		1500 RPM
W/O VORTEX	Starting Time 9:58 A.m.	Ending Time 10:42 p.m.	Runing Time 44 minutes	Fuel Consumed Lts. 7.53	DIFFERENCE
W VORTEX	Starting Time 11:40 p.m.	Ending Time 12:24 p.m.	TIEMPO 44 minutes	Fuel Consumed Lts. 6.74	0.79

% SAVINGS $(0.79/7.53)*100 =$ **10.49%**

20/02/2007

PUMP MAKE	UNIT B-18 JOHN DEERE	5 CYLINDER	TURBO		1250 RPM
W/O VORTEX	Starting Time 1:04 p.m.	Ending Time 1:49 p.m.	Runing Time 45 minutes	Fuel Consumed Lts. 8.73	DIFFERENCE
W VORTEX	Starting Time 2:04 p.m.	Ending Time 2:49 p.m.	Runing Time 45 minutes	Fuel Consumed Lts. 6.78	1.95

% SAVINGS $(1.95/8.73)*100 =$ **22.33%**

PUMP MAKE	UNIT B-07 JOHN DEERE	5 CYLINDER	TURBO		1300 RPM
W/O VORTEX	Starting Time 1:17 p.m.	Ending Time 2:02 p.m.	Runing Time 45 minutes	Fuel Consumed Lts. 5.78	DIFFERENCE
W VORTEX	Starting Time 2:22 p.m.	Ending Time 3:07 p.m.	Runing Time 45 minutes	Fuel Consumed Lts. 4.9	0.88

% SAVINGS $(0.88/5.78)*100 =$ **15.22%**

Company Witnesses: Marcos Soto Technical Rep. and José Arrieta
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