



A division of

Olson Engineering, Inc.

SUMMARY REPORT

Emission and Fuel Consumption Data
Obtained in Accordance with CARB Verification Protocol

**For Verification of Particulate and NO_x Reductions When
Operating with Viscon Polymer Treated Diesel Fuel**

August 19, 2003

Conducted for
Las Palmas Oil and Dehydration, Inc.
3121 Standard St.
Bakersfield, CA 93308

By
Emission Testing Services
A division of Olson Engineering, Inc.
At their CARB and EPA Recognized
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Fullerton, California

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Table 2
Summary of Results

Effect of Viscon Polymer Additive on Exhaust Emissions and Fuel Consumption
 Las Palmas Oil and Dehydration Company
 Caterpillar Model 3306 Diesel Engine

8-Mode Engine Dynamometer Data

Baseline Data (No Additive)

Test No.Grams per bhp-hr.....					Weighted HP
	THC	CO	KNO _x	PM	Fuel	
8MBL024	1.35	2.75	6.73	0.31	181.03	137.71
8MBL025	1.26	2.47	6.75	0.33	176.68	137.46
8MBL026	1.24	2.56	7.46	0.32	176.24	137.63
8MBL027	1.30	2.52	7.14	0.29	178.18	137.77
8MBL028	1.30	2.51	7.38	0.29	178.35	137.75
5-Test Averages	1.29	2.562	7.092	0.308	178.096	137.664
Std. Dev.	0.0424	0.1099	0.3423	0.0179	1.8795	0.1260
95% C.L.	0.0372	0.0963	0.3000	0.0157	1.6474	0.1105

With Viscon Polymer Additive at 1 ounce to 20 gallons

8MLPF12	1.51	1.83	5.59	0.20	177.55	137.55
8MLPF13	1.50	1.78	5.51	0.20	177.18	137.58
8MLPF14	1.56	1.73	5.79	0.17	176.79	137.55
8MLPF15	1.51	2.28	5.48	0.21	177.39	137.54
8MLPF16	1.54	2.28	5.50	0.19	177.61	137.29
5-Test Averages	1.524	1.98	5.574	0.194	177.304	137.502
Std. Dev.	0.0251	0.2761	0.1278	0.0152	0.3321	0.1195
95% C.L.	0.0220	0.2420	0.1120	0.0133	0.2911	0.1047
Average Differences	-0.234	0.582	1.518	0.114	0.792	0.162
% Improvement	-18.14	22.72	21.40	37.01	0.44	0.12

Note: 95% Confidence Limits define the plus/minus range within which the true average is expected to fall with 95% confidence

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