

KLA

Environmental Consulting, Inc.

Certified Environmental Laboratory

5070 South Arville Suite 6
Las Vegas, NV 89118
EPA #: NV00905/CA I-2386

Phone: (702) 365-7816
Fax: (702) 365-7682

LABORATORY REPORT

DATE: January 23, 2001

REPORT NUMBER: 8452
KLA Source: 01-136

CLIENT: Spirt-PFC, LLC
4913 Monterrey Ave.
Las Vegas, NV 89121

CLIENT PROJECT:

CLIENT P.O. NO.: Verbal

Report Attention: John Marlow


Sampled By: Client
Date Sampled: -
Time Sampled: -

Submitted by: Client
Date Received: 1/17/01
Time Received: 1250

Sample ID	Parameter	Results	Spec	Units	Method	Reporting Limit	Date analyzed	Analyst
RAW Diesel Fuel	Tin	0.07	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
Without Catalyst	Lead	96	-	mg/kg	EPA 6020	1.0	1/22/01	DBS
	Antimony	ND	-	mg/kg	EPA 6020	1.0	1/22/01	DBS
	Copper	37	-	mg/kg	EPA 6020	1.0	1/22/01	DBS
	Iron	240	-	mg/kg	EPA 6020	1.0	1/22/01	DBS
	Aluminum	96	-	mg/kg	EPA 6020	1.0	1/22/01	DBS
	Zinc	150	-	mg/kg	EPA 6020	1.0	1/22/01	DBS
	Molybdenum	ND	-	mg/kg	EPA 6020	1.0	1/22/01	DBS
	Silica	5	-	mg/kg	EPA 6020	1.0	1/22/01	DBS
	Magnesium	98	-	mg/kg	EPA 6020	1.0	1/22/01	DBS
	Calcium	341	-	mg/kg	EPA 6020	1.0	1/22/01	DBS
	Potassium	91	-	mg/kg	EPA 6020	1.0	1/22/01	DBS
	Phosphorus	ND	-	mg/kg	EPA 365.2	5.0	1/22/01	DBS
	Silver	ND	-	mg/kg	EPA 6020	1.0	1/22/01	DBS
	Sulfur	340	-	mg/kg	EPA 6020	1.0	1/22/01	DBS

ND = non-detected

REVIEWED BY:


Douglas B. Sims, M.S.
Laboratory Director

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LABORATORY REPORT

DATE: January 23, 2001

REPORT NUMBER: 8453
KLA Source: 01-184

CLIENT: Spirt-PFC, LLC
4913 Monterrey Ave.
Las Vegas, NV 89121

CLIENT PROJECT:

CLIENT P.O. NO.: Verbal

Report Attention: John Marlow


Sampled By: Client
Date Sampled: -
Time Sampled: -

Submitted by: Client
Date Received: 1/22/01
Time Received: 1515

Sample ID	Parameter	Results	Spec	Units	Method	Reporting Limit	Date analyzed	Analyst
Treated Diesel Fuel	Tin	ND	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
With Catalyst	Lead	ND	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
	Antimony	ND	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
	Copper	1	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
	Iron	ND	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
	Aluminum	ND	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
	Zinc	1	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
	Molybdenum	ND	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
	Silica	3	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
	Magnesium	4	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
	Calcium	9	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
	Potassium	2	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
	Phosphorus	ND	-	mg/kg	EPA 365.2	5.0	1/24/01	DBS
	Silver	2	-	mg/kg	EPA 6020	1.0	1/24/01	DBS
	Sulfur	18	-	mg/kg	EPA 6020	1.0	1/24/01	DBS

ND = non-detected

REVIEWED BY:


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LABORATORY REPORT

DATE: February 07, 2001

REPORT NUMBER: 8610

KLA Source: 01-259

CLIENT: Spirt-PFC, LLC
4913 Monterrey Ave.
Las Vegas, NV 89121

CLIENT PROJECT:

CLIENT P.O. NO.: Verbal

Report Attention: John Marlow

Sampled By: Client
Date Sampled: -
Time Sampled: -

Submitted by: Client
Date Received: 2/01/01
Time Received: 1110

Sample ID	Parameter	Results	Spec	Units	Method	Reporting Limit	Date analyzed	Analyst
Raw Diesel Fuel	Lead	3.5	-	mg/l	EPA 6020	0.01	02/07/01	DBS
Without Catalyst	Arsenic	ND	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Antimony	ND	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Copper	6	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Iron	ND	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Aluminum	2.6	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Zinc	9.0	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Vanadium	ND	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Titanium	1.2	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Magnesium	3.3	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Calcium	30.1	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Potassium	0.3	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Silver	ND	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Sulfur	204	-	mg/l	EPA 6020	10.0	02/07/01	DBS
Selenium	ND	-	mg/l	EPA 6020	0.01	02/07/01	DBS	
Sodium	21.9	-	mg/l	EPA 6020	0.01	02/07/01	DBS	

ND = non-detected

REVIEWED BY:


Douglas B. Sims, M.S.
Laboratory Director

LABORATORY REPORT

DATE: February 07, 2001

REPORT NUMBER: 8610

KLA Source: 01-259

CLIENT: Spirt-PFC, LLC
4913 Monterrey Ave.
Las Vegas, NV 89121

CLIENT PROJECT:

CLIENT P.O. NO.: Verbal

Report Attention: John Marlow

Sampled By: Client

Submitted by: Client

Date Sampled: -

Date Received: 2/01/01


Time Sampled: -

Time Received: 1110

Sample ID	Parameter	Results	Spec	Units	Method	Reporting Limit	Date analyzed	Analyst
Treated 2 Days - Diesel Fuel W/Cat	Lead	ND	-	mg/l	EPA 6020	0.01	02/07/01	DBS
With Catalyst	Arsenic	ND	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Antimony	ND	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Copper	1.6	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Iron	ND	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Aluminum	1.5	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Zinc	1.1	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Vanadium	ND	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Titanium	0.01	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Magnesium	2.1	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Calcium	7.5	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Potassium	3.4	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Silver	ND	-	mg/l	EPA 6020	0.01	02/07/01	DBS
	Sulfur	187	-	mg/l	EPA 6020	10.0	02/07/01	DBS
	Selenium	0.02	-	mg/l	EPA 6020	0.01	02/07/01	DBS
Sodium	12	-	mg/l	EPA 6020	0.01	02/07/01	DBS	

ND = non-detected

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LABORATORY REPORT

DATE: January 17, 2001

REPORT NUMBER: 8369

KLA Source: 01-013

CLIENT: Spirt-PFC, LLC
4913 Monterrey Ave.
Las Vegas, NV 89121

CLIENT PROJECT:

CLIENT P.O. NO.: Verbal

Report Attention: John Marlow

Sampled By: Client
Date Sampled: -
Time Sampled: -

Submitted by: Client
Date Received: 1/02/01
Time Received: 1400

Sample ID	Parameter	Results	Spec	Units	Method	Reporting Limit	Date analyzed	Analyst
Diesel 30K mile	Tin	10	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Lead	4.1	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Antimony	ND	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Copper	21	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Iron	4367	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Aluminum	1.5	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Zinc	4644	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Molybdenum	ND	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Silica	7.1	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Magnesium	28	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Calcium	31	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Potassium	26	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Phosphorus	ND	-	mg/kg	EPA 365.2	5.0	1/17/01	DBS
	Silver	ND	-	mg/kg	EPA 6020	1.0	1/16/01	DBS

Removal of elements from catalyst after 30,000 miles of use.
97% diesel, 3% Nitric acid and Ultrasonic removal left in solution.

REVIEWED BY:


Douglas B. Sims, M.S.
Laboratory Director

LABORATORY REPORT

DATE: January 17, 2001

REPORT NUMBER: 8369

KLA Source: 01-013

CLIENT: Spirt-PFC, LLC
4913 Monterrey Ave.
Las Vegas, NV 89121

CLIENT PROJECT:

CLIENT P.O. NO.: Verbal

Report Attention: John Marlow

Sampled By: Client
Date Sampled: -
Time Sampled: -

Submitted by: Client
Date Received: 1/02/01
Time Received: 1400

Sample ID	Parameter	Results	Spec	Units	Method	Reporting Limit	Date analyzed	Analyst
Residue from Diesel (Filter Paper)	Tin	48	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Lead	1870	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Antimony	ND	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Copper	4447	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Iron	20910	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Aluminum	5354	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Zinc	838235	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Molybdenum	ND	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Silica	108	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Magnesium	371	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Calcium	409	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Potassium	362	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Phosphorus	ND	-	mg/kg	EPA 365.2	5.0	1/17/01	DBS
	Silver	11211	-	mg/kg	EPA 6020	1.0	1/16/01	DBS

Removal of elements from catalyst after 30,000 miles of use.
97% diesel, 3% Nitric acid and Ultrasonic removal deposited on filter paper.

REVIEWED BY:


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Laboratory Director

LABORATORY REPORT

DATE: January 17, 2001

REPORT NUMBER: 8369

KLA Source: 01-013

CLIENT: Spirt-PFC, LLC
4913 Monterrey Ave.
Las Vegas, NV 89121

CLIENT PROJECT:

CLIENT P.O. NO.: Verbal

Report Attention: John Marlow


Sampled By: Client
Date Sampled: -
Time Sampled: -

Submitted by: Client
Date Received: 1/02/01
Time Received: 1400

Sample ID	Parameter	Results	Spec	Units	Method	Reporting Limit	Date analyzed	Analyst
Residue From 11K Filter (Beaker)	Tin	0.08	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Lead	2086	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Antimony	ND	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Copper	21123	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Iron	204572	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Aluminum	2981	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Zinc	45492	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Molybdenum	ND	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Silica	2	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Magnesium	216	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Calcium	609	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Potassium	410	-	mg/kg	EPA 6020	1.0	1/16/01	DBS
	Phosphorus	ND	-	mg/kg	EPA 365.2	5.0	1/17/01	DBS
	Silver	4104	-	mg/kg	EPA 6020	1.0	1/16/01	DBS

Removal of elements from catalyst after 30,000 miles of use.
97% diesel, 3% Nitric acid and Ultrasonic removal left in beaker.

REVIEWED BY:


Douglas B. Sims, M.S.
Laboratory Director