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CONSULTING GEOLOGISTS

August 31, 1993

Mr. Barney Chan Division of Hazardous Materials Department of Environmental Health Alameda County Health Agency 80 Swan Way, Rm. 350 Oakland, CA 94621

Subject: Tank Closure Report for 2301 East 12th Street, Oakland

Dear Mr. Chan:

1. INTRODUCTION

As per your request, this report has been prepared to summarize and document the tank closure activities at the subject site. The site is located at the southwest corner of the intersection of East 12th Street and 23rd Ave. in Oakland (see Figure 1). A site plan is shown on Figure 2. The site was and presently is used as an automobile repair facility. Four underground storage tanks were removed from the site during the time period of December 1990 to March 1991.

A relatively brief tank closure report was prepared in March 1991 by the tank removal contractor (see Attachments A-7 and A-8 in Appendix A). The report and backup documents were submitted to the County. However, the report did not address all of the requirements for a tank closure report and the attached documents were not organized in a way that would allow a meaningful review of the closure activities.

This report attempts to summarize the tank closure activities by presenting a chronology of events based on the available documentation. It presents many of the same documents that were previously submitted to the County but cross-referenced to the

Tank Closure Report, 2301 E. 12th St., Oakland August 31, 1993 Page 2

discussion in a manner that is hopefully easier to follow. The documentation is presented as a series of attachments included in Appendices A and C and separate appendices for laboratory reports, chain-of-custody forms, etc.

2. LIST OF PARTICIPANTS

Because the existing documents have been made out in various names, the following list is intended to help clarify the role of the participants.

- A) Property owner:
 - J. W. Silveira 499 Embarcadero

Oakland, CA 94606

B) Tenant at time of tank removals:

Mr. Nick Perry

Senna Automotive (also shown as Mel Senna Brake Service) 2301 East 12th Street Oakland, CA 94606

C) Current tenant:

Alejo Auto Parts / Alejo Automotive 2301 East 12th Street Oakland, CA 94606

D) Consultant retained by Mr. Silveira to coordinate tank removals:

Mr. Leal Charonnat - Architect

P.O. Box 3960

Berkeley, CA 94703

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- E) Tank Removal Contractor (also responsible for the disposal of hazardous materials and sampling of soil)
 Walker's Hydraulics, Inc.
 (previous address)
 250 Keats Circle
 Pleasant Hill, CA 94523
 (current address)
 2322 N Bates Ave.
 Concord, CA 94520
- F) State Certified Laboratory:

 Trace Analysis Laboratory, Inc.
 3423 Investment Blvd., Suite #8
 Hayward, CA 94545
- G) Alameda County Health Agency oversight: Mr. Barney Chan Department of Environmental Health 80 Swan Way, Rm. 350 Oakland, CA 94621

3. CHRONOLOGICAL SUMMARY

The removal of the four underground storage tanks at the site was carried out in two phases. It is therefore, more convenient to discuss the activities of each phase separately. The approximate lateral extent of excavation for each phase has been added to the the site plan and presented as Figure 3.

3.1 Phase 1 Activities

The first phase included the removal of a 6000 gallon tank reported to have been used for the storage of diesel fuel and a 1000 gallon

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Page 4

tank reported to have been used for the storage of gasoline. A preliminary copy of the tank closure plan indicated that the tanks had not been used for at least 10 years prior to 1990. The gasoline is assumed to have been leaded. The diesel tank was reported to have had residue at the bottom and the gasoline tank was reported to be empty.

Dec. 19, 1990 - Excavation was initiated and the tanks exposed. H & H Ship Services removed 2000 gallons of liquid from the tanks by vacuum truck. The liquid is assumed to have been a combination of residue from the 6000 gallon tank and rinsate from washing the tanks. The manifest for the transportation and disposal of the liquid waste is presented as Attachment A-1 in Appendix A.

The tanks were removed from the ground and taken away by H & H Ship Service for disposal. The manifest for the tank hauling is included as Attachment A-2 in Appendix A. A certificate of disposal for the tanks was issued and included as Attachment A-3 in Appendix A. There are no data in the files regarding the condition of the tanks. They are assumed to have been single-wall steel tanks. A recent letter from Mr. Ray Walker of Walker's Hydraulics (see Attachment A-6 in Appendix A) indicated that any piping encountered was removed but there are no details available regarding the condition of the piping or connections.

Soil and backfill excavated from the tank pit were placed in three stockpiles as shown on Figure 4. Figure 4 is a field sketch map prepared at the time of excavation. It was decided not to redraft any of the original sketch maps that show sample locations for this report to avoid any confusion regarding the accuracy of the locations.

The excavation encountered groundwater and groundwater samples were

Tank Closure Report, 2301 E. 12th St., Oakland August 31, 1993 Page 5

collected from below each tank by personnel from Walker's Hydraulics. Two soil samples were also collected from below each tank at the base of the excavation. The three stockpiles were sampled. Sampling techniques were not discussed in the available field data or notes and it is assumed that standard sampling protocol was used.

The locations of samples collected on 12/19/90 are shown on Figure 4. The results of the analysis are summarized in the Phase 1 Summary Table in parts per million (PPM), consistent with most of the laboratory reports. The Certified Laboratory Reports for all Phase 1 sampling are presented in Appendix B. The reports in Appendix B are included in chronological sequence beginning with the first sampling event. The chain-of-custody form for each sampling event precedes the laboratory report. As can be seen on Figure 4, there was some confusion between east and west in describing the soil samples from the pit. It was assumed that the plot correctly shows the sample locations. This assumption was used in summarizing the analytical results on the Table.

Dec. 20, 1990 - The analytical results indicated the presence of relatively high concentrations of both gasoline and diesel fuel below the east end of the 1000 gallon tank and the west end of the 6000 gallon tank (see Figure 4 and Phase 1 Table).

The sludge from the tank bottom of the 6000 gallon tank was found to contain chlorinated hydrocarbons by H and H Ship Services. The laboratory report for their analysis is not available.

Dec. 24, 1990 - Based on the analytical results, Mr. Ray Walker of Walker's Hydraulics filed an Underground Storage Tank Unauthorized Release Report for the site. A copy of the report is presented as Attachment A-4 in Appendix A.

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Dec. 26, 1990 - Deep soil samples were collected from below the east end of the 1000 gallon tank and the west end of the 6000 gallon tank. The samples were analyzed for TPH as gasoline and BTEX but not for TPH as diesel. The Certified Laboratory Reports are included in Appendix B and are summarized in Table 1. concentrations of gasoline were significantly lower than the soil samples from just below the tanks. The results were transmitted to Mr. Barney Chan at Alameda County Dept. of Environmental Health.

December 31, 1990 - The sludge from the tank bottom of the 6000 gallon tank was drummed and returned to the site under the original The documentation for the return is presented as manifest. Attachment A-5.)

January 8, 1991 - Mr. Barney Chan sent a letter to Mr. Ray Walker acknowledging the receipt of the previous data. The letter also requested the collection of sidewall samples from the pit to assess the potential for lateral contamination.

January 10, 11, 16, 1991 - The sidewall samples were collected and analyzed as requested. The results of the analysis are included in Appendix B and summarized in Table 1. The results indicated that the soil in the sidewall of the pit appear to be non-hazardous.

January ?, 1991 - According to the original Closure Report prepared by Walker's Hydraulics, the pit was lined with plastic sheeting (a of the tanks (without remediation) had to be used as backfill to prevent failure of the pit walls. It is not clear whether or not all the spoil was used or if any was set aside for remediation and/or removal. Additional fill was reportedly imported to bring the site of the pit to grade. There is no documentation regarding the quantity of fill that was imported.

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3.2 Phase 2 Activities

February 11, 1991 - The two tanks originally reported as 500 gallon waste oil tanks were exposed. Each tank was actually 1000 gallon in size. The contents of the tanks and contaminated groundwater in the excavation were removed by Erickson, Inc. using a vacuum truck. A copy of the manifest is included as Attachment A in Appendix C. The contents were estimated to be 90-95 % water.

The tanks were excavated by Walker's Hydraulics and removed from the site by Erickson Inc. under a manifest and certificates of disposal were issued. These are included as Attachments B, C, and D in Appendix C. A note by the City of Oakland Fire Inspector indicated that one of the tanks had a hole in the bottom. A letter from Mr. Ray Walker stated that any piping encounter was removed (see Attachment A-6 in Appendix A).

Four soil samples were taken from the base of the pit and one from the stockpile. The locations are shown on Figure 8 and the results are summarized on Table 2 (Phase 2 Table) and the Certified Laboratory results are presented in Appendix D. The analysis included TPH as diesel, TPH as gasoline with BTEX, 8010, and the five Tri-region metals (cadmium, chromium, lead, nickel, and zinc). Significantly high levels of diesel were found in two of the samples from the pit from what was reported to be the fill end of the tanks.

February 27, 1991 - The area of the pit with the high level of diesel was excavated to a depth of 13 feet and three soil samples were taken from the base of the pit. The results indicated a significant drop in contamination (see Table 2 and Appendix D).

The pit was then lined with plastic sheeting (reported to be a

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double layer of 6 mil Visqueen) and backfilled using some of the spoil and the rest imported fill to bring the area to grade. The contaminated spoil (approximately 18 yards) was taken to Gibson Oil Co. in Bakersfield. The manifest for the soil is included as Attachment E in Appendix C.

4. SUMMARY

It appears that some of the contaminated soil was used as backfill in the Phase 1 area. Although not all of the contaminated soil was removed from the excavations, the soil is generally below the groundwater table and, therefore, becomes more of a groundwater problem. A workplan to address these concerns and provide additional characterization of the site is presented under separate cover.

This report was prepared by the undersigned based on the data available. He did not witness any of the tank removal and/or sampling activities. Should additional information become available in the future, it will be provided as an addendum to this report.

Sincerely,

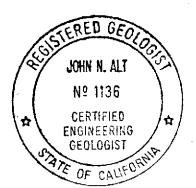
John N. Alt, CEG No. 1136

cc. Mr. Rich Hiett, RWQCB

Mr. J. W. Silveira

Mr. Robert Shapiro, Esq.

Mr. James Brinker



SUMMARY TABLE OF LABORATORY RESULTS - SOIL AND WATER SAMPLES (in PPM) PHASE 1 AREA 2301 E. 12TH STREET, OAKLAND

SAMPLE # DATE	SAMPLE LOCATION	APPROX. DEPTH	TPH DIESEL	TPE GASOLINE	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENE
1 (water) 12/19/90	pit - see Fig. 4	13 ft.	93	5.2	0.31	ND	ND	ND
3 (water) 12/19/90	u	8.5 ft.	8.3	18	6.5	0.14	0.63	0.49
5 (soil) 12/19/90	96	14 ft.	1,700	2,900	17	9	36	75
6 (soil) 12/19/90	95	12 ft.	1	3.8	ND	0.022	0.037	0.09
7 (soil) 12/19/90	br	9 ft.	180	300	1.6	0.69	4.4	5.6
8 (soil) 12/19/90	80	9 ft.	2,700	13,000	46	21	110	180
9 (soil) 12/19/90	stockpile #1-Fig. 4		24	120	0.48	0.45	1.2	2.1
10 (soil) 12/19/90	stockpile #2-Fig. 4	-	32	35	ND	0.11	0.31	0.96
11 (soil) 12/19/90	stockpile #3-Fig. 4	-	92	110	0.2	0.35	0.93	2.3
1 (Boil) 12/26/90	pit - see Fig. 5	17 ft.	NA	190	1.5	1.1	2.9	5.9
2 (soil) 12/26/90	or .	20 ft.	NA	2.1	0.029	0.017	0.044	0.10

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SUMMARY TABLE OF LABORATORY RESULTS - SOIL AND WATER SAMPLES (in PPM) PHASE 1 AREA 2301 E. 12TH STREET, OAKLAND Page 2

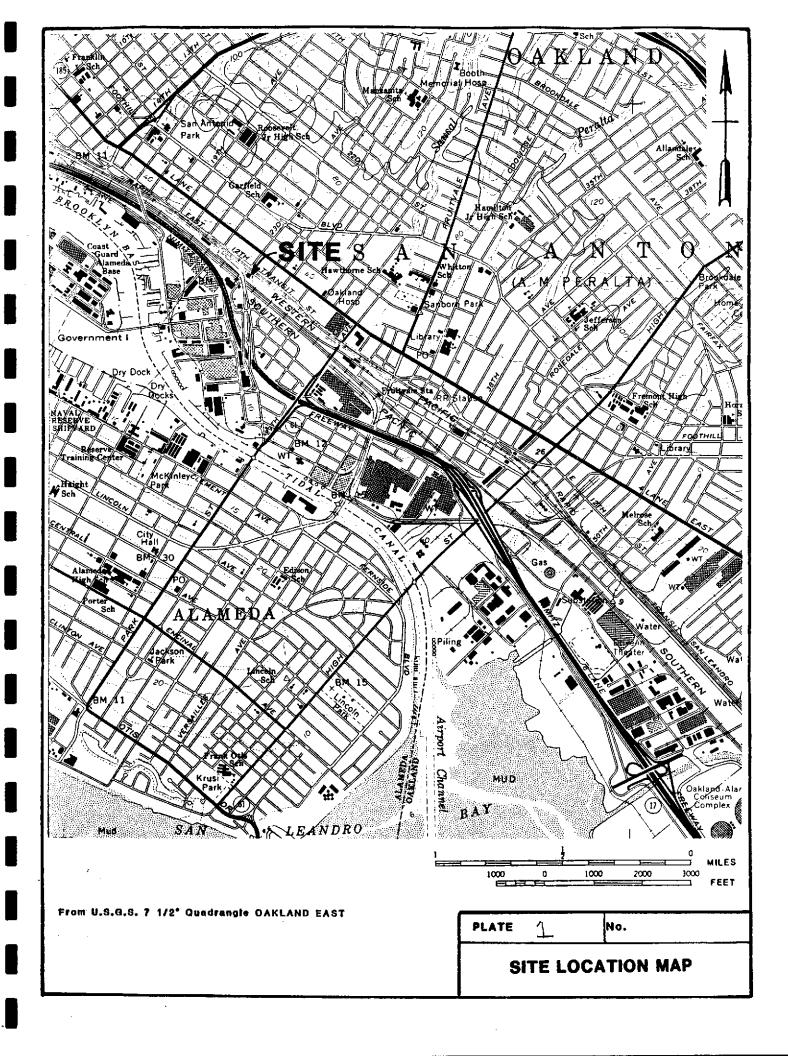
	SAMPLE # DATE	SAMPLE LOCATION	APPROX. DEPTH	TPH DIESEL	TPH GASOLINE	Benzene	TOLUENE	ethyl- Benzene	XYLENE
<u> </u>	1 (soil) 1/10/91	pit - see Fig. 6	16 ft.	ND	ND	NA	NA	NA	NA
.	2 (soil) 1/10/91	н .	16 ft.	ND	4.80	NA	NA	NA	NA
	3 (soil) 1/11/91	u	8 ft.	ND	ND	NA	NA	NA	NA
	1 (soil) 1/16/91	pit - see Fig. 7	15 ft.	6.2	25.0	0.28	0.10	0.48	0.94
	2 (soil) 1/16/91	15	15 ft.	ND	ND	0.005	ND	ND	ND
	3 (soil) 1/16/91	44	15 ft.	13	57	0.92	0.38	1.2	2.4
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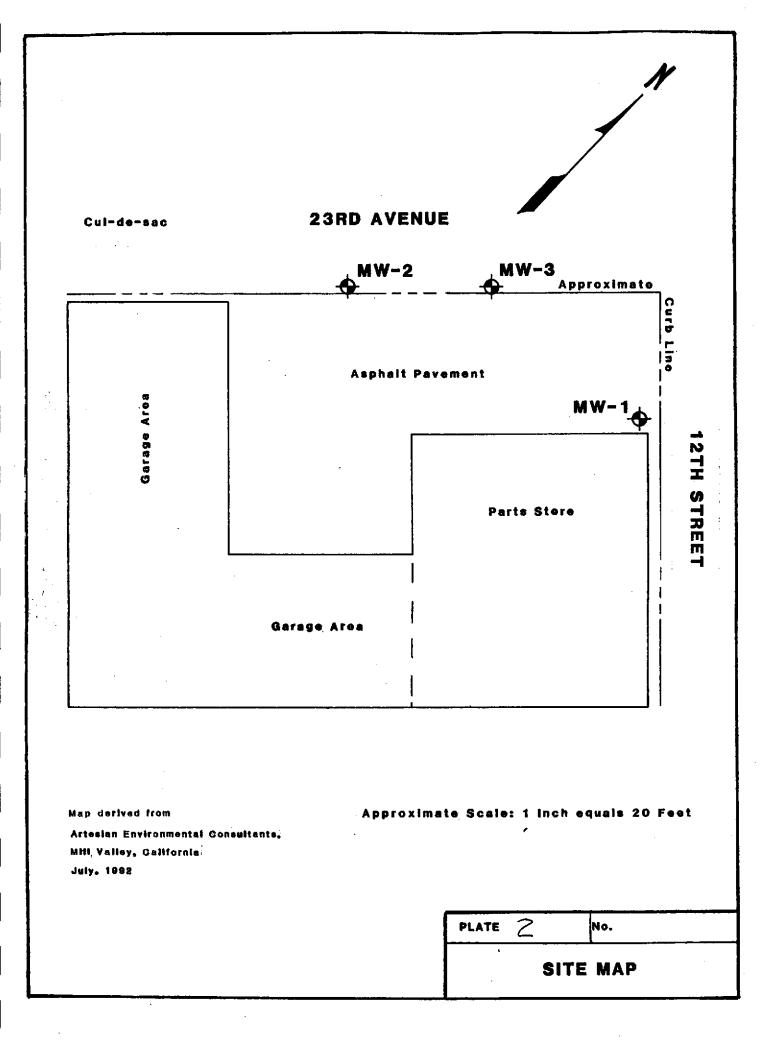
SUMMARY TABLE OF LABORATORY RESULTS - SOIL AND WATER SAMPLES (in PPM) Phase 2 Area E. 12th Street, Oakland

SAMPLE # Date	SAMPLE LOCATION	APPROX. DEPTH	TPH DIESEL	TPH GASOLINE	BENZENE	TOLUENE	etryl- Benzene	XYLENE
1 (soil) 2/11/91	pit - see Fig. 8	8 ft.	1,800	310	ND	0.81	77	4.3
2 (soil) 2/11/91	14	¥I	560	560	ND	1.5	17	24
3 (soil) 2/11/91	•	85	1.6	4.5	0.039	0.21	0.11	0.26
4 (soil) 2/11/91	•		10	5	ND	ND	0.27	0.68
5 (soil) 2/11/91	stockpile	-	33	32	0.030	0.13	0.45	2.0
6 (soil) 2/27/91	pit - see Fig. 8	13 ft.	21	3.6	NA	NA	NA	NA
7 (soil) 2/27/91	**	ti	51	150	NA	NA	NA	NA
8 (soil) 2/27/91	**	34	110	140	NA	NA	NA	NA
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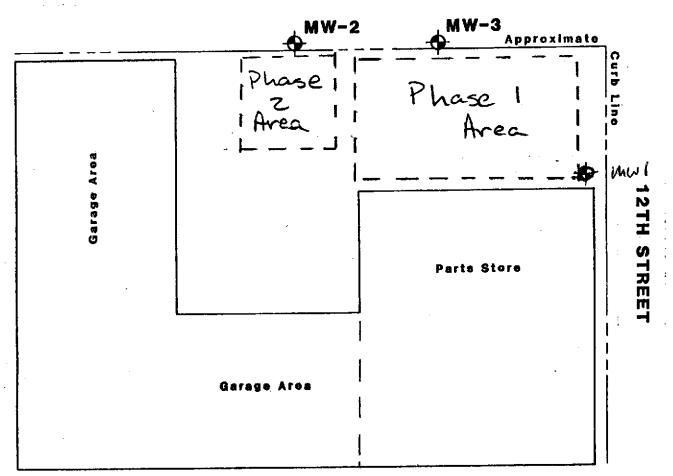
SUMMARY TABLE OF LABORATORY RESULTS - SOIL AND WATER SAMPLES (in PPM) Phase 2 Area E. 12th Street, Oakland Page 2

Sample # Date	SAMPLE LOCATION	APPROX. DEPTH	RPA 8010	CADMIUM	CHROMIUM	LEAD	NICKEL	ZINC
1 (soil) 2/11/91	pit - see Fig. 8	8 ft.	ND - see note 1	ND	49	7.8	120	64
2 (soil) 2/11/91	61	10	All ND	ND	43	8.2	99	65
3 (soil) 2/11/91	30	*	All ND	ND	49	7.2	130	73
4 (soil) 2/11/91	J5	. 01	All ND	ND	42	6	89	50
5 (soil) 2/11/91	stockpile	-	All ND	0.75	42	37	80	110
6 (soil) 2/27/91	pit - see Fig. 8	13 ft.	NA	NA	NA	NA	NA	NA
7 (soil) 2/27/91	96	•	NA	NA	NA	NA	NA	NA
8 (soil) 2/27/91	36	44	NA	NA	NA	NA	NA	NA
NOTE 1: except chloroben- zene at 57ppb								









Map derived from

Artesian Environmental Consultants,

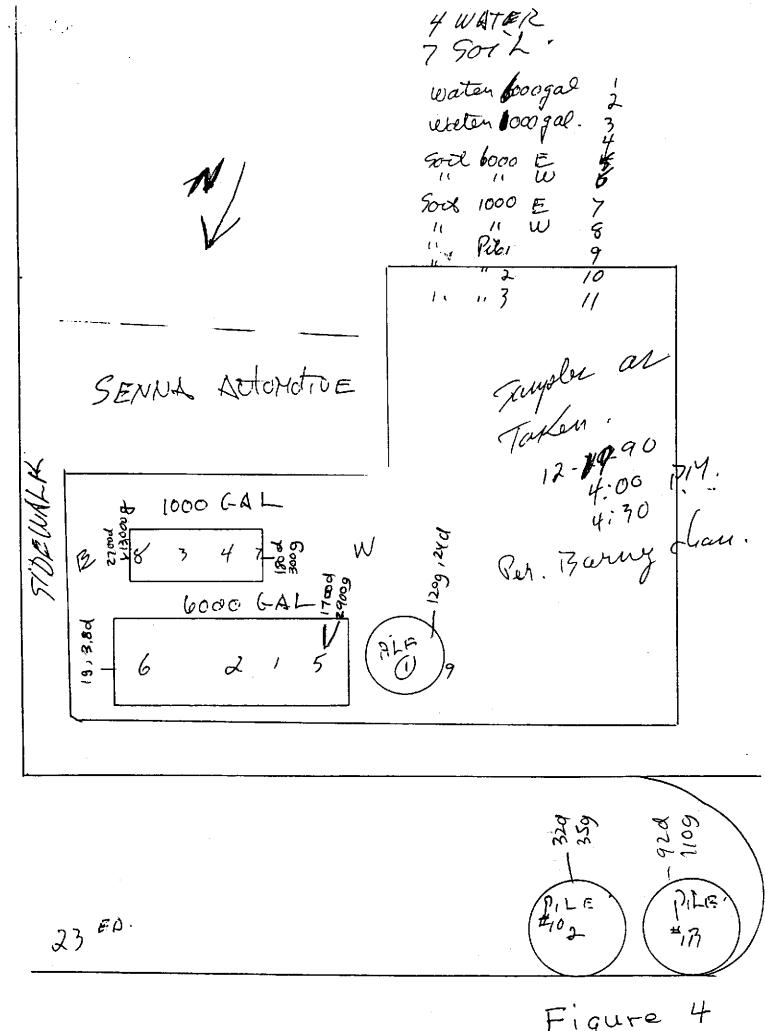
Mill Valley, California

July, 1992

Approximate Scale: 1 Inch equals 20 Feet

PLATE 3 No.

Location of Excavation

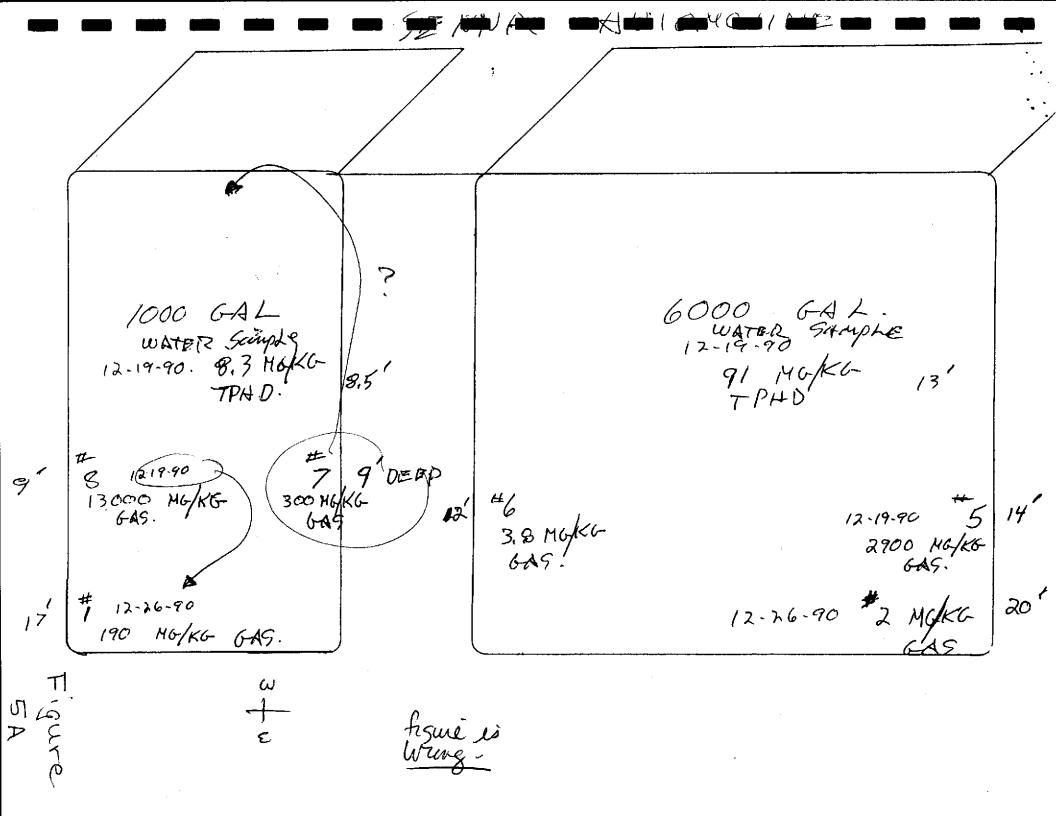


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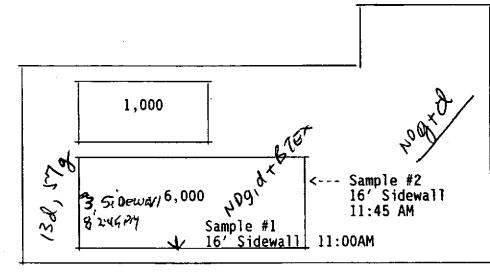
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Shop

Area

Senna Auto

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East 12th

23rd Ave

Figure 6

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Figure 7

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SHEP ARKA SENINA
AUTOPARTS @8 END WALL #3 Figure #5 SAMPLE FROM STOCKPILE \mathfrak{O}

APPENDIX A MISC. ATTACHMENTS FOR PHASE 1 AREA

See Instructions on Back of Page 6 and Front of Page 7

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Blue: GENERATOR SENDS THIS COPY TO DOUG To: 8.0, Box 400, Socroment A - Z



CERTIFICATE OF DISPOSAL

DECEMBER 24, 1990

H & H Ship Service Company hereby certifies to WALKER'S HYDRAULICS

1. The storage tank(s), size(s) 1-6,000 GALS. AND 1-1,000 GALS.

removed from the SENNA AUTOMOTIVE

2301 EAST 12TH STREET

OAKLAND, CALIFORNIA

were transported to H & H Ship Service Company, 220 China Basin St., San Francisco, California 94107.

- 2. The following tank(s), H & H Job Number 6742

 have been steamed cleaned, cut with approximately 2' X 2' holes, rendered harmless and disposed of as scrap metal.
- 3. Disposal site: SCHNITZER STEEL, OAKLAND, CALIFORNIA.
- 4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.
- Should you require further information, please call (415) 543-4835.

Very Truly Yours,

efeveland Vairey Operations Coordinator

DAY AND NIGHT: 543-4835

ı						
	UNDERGROUND STOR	AGE TANK UNAUTHORIZ	ED RELEASE	E (LEAK)/CONTA	MINATION SI	TE REPORT
EA	HAS STATE OFF	FICE OF EMERGENCY SERVICES FILED? YES NO	STATE TANK I			· · · · · · · · · · · · · · · · · · ·
ا ا		DOAL CASE #	REGIONAL BOA		US EPA ID#	
. 1 /	[Q, 3,4, 9, 0]	JUNE CASE #	REGIONAL BOX		US EPA ID	
	M M D D Y Y Y Y NAME OF INDIVIDUAL FILING RE	EPORT PHONE	<u> </u>	SIGNATURE	<u> </u>	
│	KAY WAIK	= 1 _C		1	wall	1
		AGENCY OTHER	COMPANY OR		0 (22 1 22 2 2 2	
🖟	OWNER/OPERATOR	REGIONAL BOARD	Walker	's Hydraulio	28	
REPO		Circle P	Leasatr	ill, Ca	·	94523 ZIP
131-			CONTACT RER	SOE .	STATE PHONE , 415	533-5864
RESPONSI-	ADDRESS 496 Rober	Cadero Street	1 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ta 411 Plant Pr	CA.	94606
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NO.	FACILITY NAME (IF APPLICABLE Senna Aut	Omotive	NICK Pe	ELA	PHONE A15	533-5864
LOCATION	ADDRESS 2301 E. 1	2th Street	Oakla	ınd,	Ca	94606
ш	65600 57057	TYPE OF AREA COMMERCIA			COUNT	Y ZIP
ST	23rd Avenue	RESIDENTIAL RURAL	 OTHER	[]UNKN	OWN NOTHER	ALTO PARTS
	LOCAL AGENCY	AGENCY NAME	CONTACT PER	ISON.	PHONE	· · · · · · · · · · · · · · · · · · ·
S S	Alameda C	county	Barney	Chan	415	271-4320
EMENTING	REGIONAL BOARD					
PLEN	TSCD				().
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α u	CAS # (ATTACH EXT	TRA SHEET IF NEEDED) NAME	<u>1</u>		QUANTI	TY LOST (GALLONS)
ANCE					-	UNKNOWN
BST/						
SUE	(2)					UNKNOW
	DATE DISCOVERED HI	— 1	TANK		FACE MONITORIN	=
N Y	1M 0 M 10 9 01 74 0 Y	ROUTINE MONITORING	REMOVAL L	NUISANCE CONDITI		
DISCOVERY	DATE DISCHARGE BEGAN	*		TO STOP DISCHARGE		· /
ISC.	M M D D Y Y HAS DISCHARGE BEEN STOPPE	D? UNKNOWN	REMOVE C		EPLACE TANK	CLOSE TANK
3₹	YES NO IF YES, DATE		OTHER	NK REPAIR PIP	IND CHAN	IGE PROCEDURES
"	SOURCE(S) OF DISCHARGE	TANKS ONLY/CA		TIMO GAL CON	SE(S)	
SOURCE/CAUSE	TANK LEAK UN	KNOWN AGE L	YRS. U		OVERFILL	CORROSION
E/C	PIPING LEAK	MATERIAL	~ "	i	RUPTURE/ FAILUI	RE Elseun
_ S		STEEL	FIB	ERGLASS	/	
S	OTHER (SPECIFY)	OTHER	,	/kd/	JNKNOWN 🔲 O	THER
1/2	RESOURCES AFFECTED	YES NO THREATENED	UNKNOWN	WATER SUPPLIES AP		HREAT- UN- # OF ENED KNOWN WELLS
RESOURCES AFFECTED/	AIR (VAPOR)			PUBLIC DRINKING WATER		
Ĕ	SOIL (VADOSE ZONE)	₹ 🗂 📋		PRIVATE DRINKING		<u> </u>
SAF	GROUNDWATER SURFACE WATER OR STORM DR			WATER		
RCE.	BUILDING OR STILITY VAULT		H	INDUSTRIAL AGRICULTURAL		닠 닐 —
Į ĮŠ.	OTHER (SPECIFY)			OTHER (SPECIFY)		
8		GROUNDWATER BASIN NAME	TUNKHOWH .			
	COMMENTS					
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STU SWAR		• *			• •	
	<u> </u>					1-4
J []	COMPLETE AND ATTACH A CLI	FANCE TOACKING SEROST IS AN	V CI PANII - MA-	K 48 81 THRING UT 4	TABTER	4-4

- UNIFORM HAZARDOUS	1. Generator's US EPA ID No.					Secremento
WASTE MANIFEST	C A C O O O 5 4 6 C	Manifest Document No 0 0 0 0 0 0 0 0 0				he shaded area by Federal law.
3. Generator's Name and Mailing Address				ate Maskest Docum	nent Nur	nber
SENNA AUTOMOTIVE	hland or orcos				905	53908
2301 E. 12th Street, Oa 4 Generator's Phone (415) 533-586	Riand, Ca. 54606		B. 54	ste Generator's ID		
5. Transporter 1 Company Name		PA ID Number		ate Transporter's K	_ـــــــــــــــــــــــــــــــــــــ	
H & H Ship Service Comp		141717111161		insporter's Phone		103580 15) 543-4
7. Transporter 2 Company Name	6. US E	PA ID Number		ste Transporter's E		13/ 343-4
		11111	F. Tre	nsporter's Phone		·····-
9. Designated Facility Name and Site Address H & H Ship Service Comp	··	PA ID Number	G. 84	ite Facility's ID		, · · · ·
220 China Basin Street	any			A D 0 0 4 clitty's Phone	17 7	1111618
San Francisco, CA 9410	חומות באורט 7	14 17 17 11 11 16 1				
		1 "7	ntamera	13. Total	835	
11. US DOT Description (Including Proper Shi	pping Name, Hazard Class, and ID N	umber) No.	Type	Quantity	Unit W1/Vol	Weste I
DOCTOUR DIRECT TOUR	·					State 512
RESIDUE DIESEL TANK NON RCRA HAZARDOUS WAST	T GOLYD					EPA/Other
b.	r 20rin	10101	TIP	016101010	P	944
RESIDUE GASOLINE TANK				1	} .	8tate 512
NON RCRA HAZARDOUS WAST	E SOLID		TIP	011101010	p	EPA/Other
c .	······			3.12.12.12		State
						EPA/Other
d.			44			
		1				State
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J. Additional Descriptions for Materials Listed PUMPED OUT 6,000 and 1,			IC He	indling Codes for W	astes L	sted Above
containing diesel and g	ort	rted	C.		d.	
With dry ice for transports. Special Handling Instructions and Additional	ort.	rted	C.		d.	
with dry ice for transpo	ort.	rted	C.	-	d.	
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WITH dry ice for transports. Special Handling Instructions and Additional	ort.		C.		d.	
With dry ice for transposes and Additional JOB #6742 APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: Increase.	ort. al Information CLOTHING AND RESPIR	ATOR		described above		w shipping page
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15. Special Handling Instructions and Additionary JOB #6742 APPROPRIATE PROTECTIVE (GENERATOR'S CERTIFICATION: I here and are classified, packed, marked, and is national government regulations. If I am a large quantity generator, I certify to be economically practicable and that I present and future threat to human health generation and select the best waste man. Printed/Typed Name Printed/Typed Name Printed/Typed Name	DESCRIPTION AND RESPIR Dy declare that the contents of this cabeled, and are in all respects in protection of the second of the program is place to rehave selected the practicable method and the environment; OR, if I am a segment method that is available to the CRACO. Signature of Materials Signature of Materials	ATOR consignment are fully and oper condition for transport duce the volume and toxic of of treatment, storage, camelt quantity generator, if me and that I can afford.	accurately by highway ity of was r disposa have mad	te generated to the	by propa plicable	I have determine hich minimizes simize my waste Month Day 112119 Month Day 112119
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is. Special Handling Instructions and Additionary JOB #6742 APPROPRIATE PROTECTIVE (GENERATOR'S CERTIFICATION: I hereled and are classified, packed, marked, and is national government regulations. If I am a large quantity generator, I certify to be economically practicable and that I present and future threat to human health generation and select the best waste man printed/Typed Name Printed/Typed Name Printed/Typed Name NORMAL L. BERG 18. Transporter 2 Acknowledgement of Receiptions of Typed Name 19. Discrepancy Indication Space Tank bottom waste/sludge and returned to generating and returned and returne	CLOTHING AND RESPIR Dy declare that the contents of this of abbeted, and are in all respects in pro- that I have a program in place to rehave selected the practicable metho and the environment; OR, if I am a reagement method that is available to the contents of Materials Signature of Materials For of Materials Signature of Materials Signature of Materials	ATOR consignment are fully and oper condition for transport duce the volume and toxic of treatment, storage, commit quantity generator, if the end that I can afford. Consignment are fully and toxic of treatment, storage, commit quantity generator, if the end that I can afford.	gallo	ite generated to the currently available to a good faith efform	by prope plicable degree to me w rt to min	I have determine hich minimizes simize my waste Month Day 112119 Month Day 112119
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WALKER'S HYDRAULICS, INC.

2322-N BATES AVENUE CONCORD, CALIFORNIA 94520 (510) 798-1217

April 26, 1993

Mr. James E. Brinker Bernabe and Brinker Inc. 1281 - 30th Street Oakland, CA 94608

Senna Automotive, 2301 E 12th Street

Dear Mr. Brinker:

In response to your letter of April 6, 1993, please find copies of documents as requested.

The two tanks were 1000 gallon. ĩ. Map and disposal attached.

2. Manifest attached.

There were two drums returned and the liquid was taken by Erickson with residuals from the two 1000 gallon tanks. Two layers of 6 mil. Visqueen.

All piping, vents, etc. that were encountered were removed.

After the liquids were pumped out of the two barrels, they were left waiting authorization from J. W. to have hauled. It would have amounted to 2/3 of one barrel. Barrels left on site.

I am sorry for the delay, but I have no secretary and my fatherin-law is in the hospital with a heart attack.

sincerely,

Ray Walker

Enclosures

CC: J. W. Silveira



WALKER'S HYDRAULICS

250 KEATS CIRCLE PLEASANT HILL, CA 94523 (415) 935-5518

RECEIVED APR 0 8 1991

March 28, 1991

J.W. Silveira 499 Embarcadero Oakland, CA 94606

SUBJECT: Tank removal at Senna Automotive

Dear Mr. Silveira:

The following will serve as our final report for this project. Copies of all reports will be sent to Barney Chan at the Alameda County Health Department and the Bay Area Water Quality Control Board.

Phase I of this project was the removal of a 6000 and a 1000 gallon tank off the east section of the property.

On December 19, 199%, at 4:30 p.m., soil samples were taken from the east and west ends under the tanks and from the stockpiles. The results of these tests are as follows, (reference TAL #9425):

CONSTITUENT	UNIT	TANK	LOC.	CONCENTRATION
TPHD	MG/KG	1000	W	2700
TPHD	MG/KG	1000	E	180
TPHD	MG/KG	6000	W	1
TPHD	MG/KG	6000	E	1700
TPHD	MG/KG	SP#3	W	92
TPHD	MG/KG	SP6000		24
TPHD	MG/KG	SP#2	E	. 32
*TPHD	MG/KG	1000	WATER	8.3
TPHG	MG/KG	1000	W	13000
TPHG	MG/KG	1000	E	' 300
TPHG	MG/KG	6000	W	3.8
TPHG	MG/KG	6000	E	2900
TPHG	MG/KG	SP#3	W	110
TPHG	MG/KG	SP6000		120
TPHG	MG/KG	SP#2	E	35
TPHG	MG/KG	1000	WATER	18
TPHG	MG/KG	6000	WATER	5.2
TPHD	MG/KG	6000	WATER	91

Upon receiving the results of the analysis, I contacted Mr. Chan and asked for his approval to excavate the two locations where

(continued)

J.W. Silveira March 28, 1991 Page 2

contamination was found. We then excavated the two areas, (1000 W. and 6000 E.), to 17-18 feet, stockpiling the contaminated soil to be hauled off on a manafest by Erickson Company to Gibson in Bakersfield. At that time two more samples were taken, one from the 1000 and one from the 6000 area, (refrence TAL #9441). The TPHG for the 1000 area was 190 MG/MK and the TPHG for the 6000 area was 2 MG/MK.

While the holes were open we took samples from the sidewalls to profile the area. The TPHD was not detectable on all 3 sides of the 6000 area. The TPHG on the North and East side was not detectable and at the fill end, (West end), of the hole 4.8 PPM was detected.

Samples from the 1000 area showed TPHG at 57 MG/MK on the East end. The West end showed TPHD at 6.2 MG/MK and the TPHG at 25 MG/MK. No TPHG or TPHD was detectable on the South side.

At this time a barrier was placed in the hole and the hole was filled with stockpiled material from pile #2. The 6000 stockpile and pile #3 was put in the East end of the 6000 area to prevent errosion under the sidewalk and street. Clean fill was used to finish the backfill and the asphalt was replaced.

Phase II was two 1000 gallon waste oil tanks. The cover was removed and on February 11, 1991 the tanks were removed. Samples were taken at noon of the same day, (reference TAL #9598). The TPHD on the #1 tank was 1800 MG/MK, #2 560 MG/MK, #3 1.6 MG/MK, #4 10 MG/MK, and on tank #5 the TPHD was 33 MG/MK. TPHG on tank #1 was 310, #2, 560, #3 45, #4 and #5 was shown at 32 MG/MK.

The areas of 1800 and 310 MG/MK was the fill end, and samples were requested at a level of 8 feet. This is to close the fill point, so we excavated this material, putting it with the contaminated soil to be offhauled. We then resampled at 13' under the outside end of tanks and in between. The levels dropped, (see TAL #9637), to 110, 150 and 140. At this time a barrier was placed in the hole. Clean excavated material was put in the hole and clean fill was added. Area was compacted and cover plate was replaced.

As the owner has no intention of selling the properties, no further action is required at this time. Project is closed.

Sincerely,

Raymond E. Walker

ENCLOSURES

REW/tc

APPENDIX B LABORATORY REPORTS FOR PHASE 1 AREA

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9	Client n	aime J. W	. Silv	eira		Job number	117				. /			Analys	ses requ	ired			_ 	
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115 (2/19/90 spoke to Ray Note: Samples are discarded 30 days after results are reported

Stack file tast => #27 1-40-1 For Drayel unless other arrangements are made.

Hazardous samples will be returned to client or disposed

Hazardous samples will be returned to client or disposed

Hazardous samples will be returned to client or disposed

TAL

LOG NO.:

9425

DATE SAMPLED:

12/19/90

DATE RECEIVED:

12/19/90

DATE EXTRACTED:

12/19/90

DATE ANALYZED:

4,5

12/20/90

DATE REPORTED:

12/20/90

CUSTOMER:

Walker's Hydraulics

REQUESTER:

Ray Walker

PROJECT:

No. A1001 HZ, Senna Automotive

			Sample T	уре:	Soil		
Method and		1000 Concen-	East Reporting		West Reporting	600 Concen-	O East Reporting
Constituent	<u>Units</u>	<u>tration</u>	Limit	<u>tration</u>	Limit	<u>tration</u>	Limit
DHS Method:						•	
Total Petroleum Hydro- carbons as Diesel	mg/kg	180	10	2,700	10	1,700	10
		6000_	West		kpile Tank	<u>Stockpil</u>	e #2 East
Method and <u>Constituent</u>	<u>Units</u>	Concen- <u>tration</u>	Reporting Limit	Concen- tration	Reporting <u>Limit</u>	Concen- tration	Reporting <u>Limit</u>
DHS Method:							
Total Petroleum Hydro- carbons as Diesel	mg/kg	1	1	24	1	32	1
Method and <u>Constituent</u>	<u>Units</u>	Stockpil Concen- tration	e #3 West Reporting Limit				
DHS Method: Total Petroleum Hydro-							
carbons as Diesel	mg/kg	92	1				

The chromatograms for the samples indicate the presence of compounds eluting earlier than the diesel range.

Trace Analysis Laboratory, Inc.

LOG NO.: 9425

DATE SAMPLED: 12/19/90

DATE RECEIVED: 12/19/90

DATE EXTRACTED: 12/19/90

DATE ANALYZED: 12/20/90

DATE REPORTED: 12/20/90

PAGE:

Two

-3

	Sample	Type:	Water	
<u>Units</u>		Tank Reporting Limit		O Tank Reporting Limit

DHS Method:

Method and Constituent

Total Petroleum Hydrocarbons as Diesel

mg/kg

8.3

1

91

1

The chromatograms for the samples indicate the presence of compounds eluting earlier than the diesel range.

Trace Analysis Laboratory, Inc.

LOG NO.: 9425
DATE SAMPLED: 12/19/90
DATE RECEIVED: 12/19/90
DATE EXTRACTED: 12/19/90
DATE ANALYZED: 12/20/90
DATE REPORTED: 12/20/90
PAGE: Three

			Sample I	ype:	Soil		
		1000 East		1000 West		6000 East	
Method and <u>Constituent</u>	<u>Units</u>	Concen- tration	Reporting <u>Limit</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
DHS Method:							
Total Petroleum Hydro- carbons as Gasoline	mg/kg	300	0.5	13,000	8	2,900	4
Modified EPA Method 8020:							
Benzene	mg/kg	1.6	0.07	46	1	17	0.7
Toluene	mg/kg	0.69	0.06	21	. 1	9	0.7
Xylenes	mg/kg	5.6	0.2	180	4	75	2 🛴
Ethylbenzene	mg/kg	4.4	0.08	110	2	36	0.8
		6000 West		Stockpile 6000 Tank		النام المواء	o #0
Method and Constituent	<u>Units</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	e #2 East Reporting Limit
DHS Method:							
Total Petroleum Hydro- carbons as Gasoline	mg/kg	3.8	0.5	120	0.5	35	0.5
Modified EPA Method 8020:							
Benzene	mg/kg	ND	0.005	0.4	8 0.07	ND	0.07
Toluene	mg/kg	0.022	0.005	0.4	5 0.06	0.1	1 0.06
Xylenes	mg/kg	0.09	0.02	2.1	0.2	0.9	6 0.2
Ethylbenzene	mg/kg	0.037	7 0.005	1.2	0.08	0.3	1 0.08

Concentrations reported as ND were not detected at or above the reporting limit.

LOG NO.: 9425 DATE SAMPLED: 12/19/90 DATE RECEIVED: 12/19/90

DATE RECEIVED: 12/19/90
DATE EXTRACTED: 12/19/90
DATE ANALYZED: 12/20/90

DATE REPORTED: 12/20/90

PAGE:

Four

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Method and Constituent	<u>Units</u>		
DHS Method:			
Total Petroleum Hydro- carbons as Gasoline	mg/kg	110	0.5
Modified EPA Method 8020:			
Benzene	mg/kg	0.2	0.07
Toluene	mg/kg	0.35	0.06
Xylenes	mg/kg	2.3	0.2

mg/kg

Ethylbenzene

LOG NO.: 9425
DATE SAMPLED: 12/19/90
DATE RECEIVED: 12/19/90
DATE ANALYZED: 12/20/90
DATE REPORTED: 12/20/90
PAGE: Five

•		Water			
Method and <u>Constituent</u>	<u>Units</u>	1000 Concen- tration	Tank ♥ Reporting Limit	600 Concen- tration	O Tank Reporting Limit
DHS Method:					
Total Petroleum Hydro- carbons as Gasoline	mg/kg	18	1	5.2	I
Modified EPA Method 8020	:				
Benzene	mg/kg	6.5	0.1	0.31	0.1
Toluene	mg /kg	0.14	0.07	ND	0.07
Xylenes	mg/kg	0.49	0.4	ND	0.4
Ethylbenzene	mg/kg	0.63	0.2	ND	0.2

Concentrations reported as ND were not detected at or above the reporting limit.

Louis W. DuPuis

Quality Assurance/Quality Control Manager

3423 Investment Boulevard, #8 • Finyword, California 94545

Telephone (415) 783-6960 Facsimile (415) 783-1512

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TAL

LOG NO.:

9441

DATE SAMPLED:

12/26/90

DATE RECEIVED:

12/26/90

DATE EXTRACTED:

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12/26/90

DATE ANALYZED:

12/26/90 and 12/27/90

DATE REPORTED:

12/28/90

CUSTOMER:

Walker's Hydraulics

REQUESTER:

Ray Walker

PROJECT:

Senna Auto

		Sample	Type:	Soil		
		#1 100		#2 6000 Tank		
Method and <u>Constituent</u>	<u>Units</u>	Concen- <u>tration</u>	Reporting <u>Limit</u>	Concen- <u>tration</u>	Reporting <u>Limit</u>	
DHS Method:						
Total Petroleum Hydro- carbons as Gasoline	ug/kg	190,000	600	2,100	500	
Modified EPA Method 8020):					
Benzene	ug/kg	1,500	200	29	5	
Toluene	ug/kg	1,100	100	17	5	
Xylenes	ug/kg	5,900	500	100	20	
Ethylbenzene	ug/kg	2,980	200	44	5	

LOG NO.: 9441

DATE SAMPLED: DATE RECEIVED:

DATE RECEIVED: 12/26/90 DATE EXTRACTED: 12/26/90 DATE ANALYZED: 12/27/90

12/26/90

DATE ANALYZED: DATE REPORTED:

12/28/90

PAGE:

Two

•		Samp1	e Type:	Soil	
Method and Constituent	<u>Units</u>	#1 100 Concen- tration	00 Tank Reporting Limit	#2 600 Concen- tration	00 Tank Reporting Limit
EPA Method 8010:					
Benzyl Chloride	ug/kg	ND	50	ND	50
Bis (2-Chloroethoxy) Methane	ug/kg	ND	50	ND	50
Bis (2-Chloroisopropyl) Ether	ug/kg	ND	50	ND	50
Bromobenzene	ug/kg	ND	50	ND	50
Bromodichloromethane	ug/kg	ND	50	ND	50
Bromoform	ug/kg	ND	50	ND	50
Bromomethane	ug/kg	ND	50	ND	50
Carbon Tetrachloride	ug/kg	ND	50	DM	50
Chloracetaldehyde	ug/kg	ND	50	ND	50
Chloral	ug/kg	ND	50	ND	50
Chlorobenzene	ug/kg	ND	50	ND	50
Chloroethane	ug/kg	ND	50	ND	50
Chloroform	ug/kg	ND	50	ND	50
1-Chlorohexane	ug/kg	ND	50	ND	50
2-Chloroethyl Vinyl Ether	ug/kg	ND	50	ND	50
Chloromethane	ug/kg	ND	50	ND	50
Chloromethyl Methyl Ether	ug/kg	ND	50	ND	50
Chlorotoluene	ug/kg	ND	50	ND	50
Dibromochloromethane	ug/kg	ND	50	ND	50
Dibromomethane	ug/kg	ND	50	ND	50

LOG NO.: 9441
DATE SAMPLED: 12/26/90
DATE RECEIVED: 12/26/90
DATE EXTRACTED: 12/26/90
DATE ANALYZED: 12/27/90
DATE REPORTED: 12/28/90
PAGE: Three

Sample Type: Soil

		#1 100	00 Tank	#6 600	00 Tank
Method and		Concen-	Reporting	Concen-	Reporting
Constituent	<u>Units</u>	<u>tration</u>	<u>Limit</u>	<u>tration</u>	<u>Limit</u>
EPA Method 8010 (Continue	ed):				
1,2-Dichlorobenzene	ug/kg	ND	50	ND	50
1,3-Dichlorobenzene	ug/kg	ND	50	ND	50
1,4-Dichlorobenzene	ug/kg	ND	50	ND	50
Dichlorodifluoromethane	ug/kg	ND	50	ND	50
1,1-Dichloroethane	ug/kg	ND	50	ND	50
1,2-Dichloroethane	ug/kg	ND	50	ND	50
1,1-Dichloroethylene	ug/kg	ND	50	ND	50
Trans-1,2-Dichloro- ethylene	ug/kg	ND	50	ND	50
Dichloromethane	ug/kg	ND	50	ND	50
1,2-Dichloropropane	ug/kg	ND	50	ND	50
1,3-Dichloropropylene	ug/kg	ND	50	ND	50
1,1,2,2-Tetrachloro- ethane	ug/kg	ND	50	ND	50
1,1,1,2-Tetrachloro- ethane	ug/kg	ND	50	ND	50
Tetrachloroethylene	ug/kg	ND	50	ND	50
1,1,1-Trichloroethane	ug/kg	ND	50	ND	50
1,1,2-Trichloroethane	ug/kg	ND	50	ND	50
Trichloroethylene	ug/kg	ND	50	ND	50
Trichlorofluoro- methane	ug/kg	ND	50	ND	50
Trichloropropane	ug/kg	ND	50	ND	50
Vinyl Chloride	ug/kg	ND	50	ND	50

Concentrations reported as ND were not detected at or above the reporting limit.

Louis W.DuPuis

Quality Assurance/Quality Control Manager

423 Investment Boulevard, #8 • Hayward, California 94545

10/91

Telephona (415) 783-8980 Facsimile (415) 783-1512

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For the second

Walker's Hydraulier

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Proj.No.	15	ject Nam Luna	e Qu			No.			,	/				
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Sample ID	*	Time t date	Site Lo. (2(11/41)		ti	Con- ainers	/,				/	//	RE	MARKS
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#2	1/10/9	11:45	PAKIA	Nd			X	X						
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REMARKS					 				 2	- 1				

LOG NO.: 9496

DATE SAMPLED: 1/10/91 DATE RECEIVED: 1/10/91

DATE EXTRACTED: 1/15/91 DATE ANALYZED: 1/22/91

*13

DATE REPORTED: 1/24/91

CUSTOMER:

Walker's Hydraulics

REQUESTER:

Ray Walker

PROJECT:

Senna Auto

Sample Type: Soil

1 2
Concern Reporting Concern Reporting

Method and Concen- Reporting Concen- Reporting Constituent Units tration Limit tration Limit

DHS Method:

Total Petroleum Hydrocarbons as Diesel ug/kg ND 1,000 ND 1,000

LOG NO.: 9496
DATE SAMPLED: 1/10/91
DATE RECEIVED: 1/10/91
DATE EXTRACTED: 1/16/91
DATE ANALYZED: 1/22/91
DATE REPORTED: 1/24/91
PAGE: Two

Sample Type: Soil

1 2

Method and Constituent Concen-Units tration Reporting Limit Concentration

Reporting Limit

DHS Method:

Total Petroleum Hydrocarbons as Gasoline

ug/kg

ND

500

500

Concentrations reported as ND were not detected at or above the reporting limit.

Louis W. DuPuis

Quality Assurance/Quality Control Manager

Senna Auto

14.5

East 12th

23rd Ave

Shop Area

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Project	ganager	n 9	Mu	Sampler(s)	56 an	a	·			//	///	/ /	//	/ OF	
Sample number	Date sampled	Time sampled	Type Composite or Grab		description		Number of containers	1		4/		//	zo zo zo	§ 950 §	02
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Relinquisi	ned by														
Received	by	- 					·								7

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Hazardous samples will be returned to client or disposed of at client expense.



LOG NO.: 9502 DATE SAMPLED: DATE RECEIVED: 1/11/91 1/11/91 1/15/91 DATE EXTRACTED: DATE ANALYZED: 1/22/91

• • \$

DATE REPORTED:

1/25/91

CUSTOMER:

Walker's Hydraulics

REQUESTER:

Ray Walker

PROJECT:

Senna Automotive

Sample Type: Soil

Method and <u>Constituent</u>

Concen-<u>Units</u> <u>tration</u> Reporting Limit

DHS Method:

Total Petroleum Hydrocarbons as Diesel

ug/kg

ND

1,000

LOG NO.: 9502
DATE SAMPLED: 1/11/91
DATE RECEIVED: 1/16/91
DATE EXTRACTED: 1/18/91
DATE ANALYZED: 1/18/91
DATE REPORTED: 1/25/91
PAGE: Two

	<u>Sample Type:</u> Soil						
			3				
Method and Constituent	<u>Units</u>	Concen- tration	Reporting Limit				
DHS Method: Total Petroleum Hydro-	ua /ka	ND	500				
carbons as Gasoline	ug/kg	NO	300				

Concentrations reported as ND were not detected at or above the reporting limit.

Louis W. DuPuis

Quality Assurance/Quality Control Manager

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#1	1/16-91	3:06 Pm	6	SIDE WALL & 15' DE	EP /	1						1	NORMA	L. T.	4.7	
#2	1/16-91		6	SIDE WALL & 15' DEE	·P /	ſ								1		
#3	16-91	3'.10 Pm	6	SIDE WALL 15' DEE	EP /									<u> </u>		
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Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Hazardous samples will be returned to client or disposed of at client expense.

TĀĪ

LOG NO.:

9522

DATE SAMPLED:

1/16/91

DATE RECEIVED: DATE EXTRACTED: 1/16/91 1/23/91

DATE ANALYZED:

143

1/24/91

DATE REPORTED:

1/30/91

CUSTOMER:

Walker's Hydraulics

REQUESTER:

- Pat Cashman

PROJECT:

Senna Automotive

Sample Type: Soil

Method and Constituent

#1 #2 #3

Concen- Reporting Concen- Reporting Concen- Reporting
Units tration Limit tration Limit

DHS Method:

Total Petroleum Hydrocarbons as Diesel

ug/kg 6,

1,000

ND

1,000

13,000

1,000

Concentrations reported as ND were not detected at or above the reporting limit.

Samples 1 and 3 contains compounds eluting earlier than diesel.

LOG NO.: 9522 DATE SAMPLED: 1/16/91 1/16/91 DATE RECEIVED: 1/16/91 DATE EXTRACTED:

1/19/91 and 1/22/91 DATE ANALYZED:

DATE REPORTED: 1/30/91 Two PAGE:

Sample Type:/ Soil

	#1			#	2	#3		
Method and Constituent	<u>Units</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting <u>Limit</u>	
DHS Method:					·			
Total Petroleum Hydro- carbons as Gasoline	ug/kg	25/000	2,000	ND	500	57,000	10,000	
Modified EPA Method 8020:		,				_		
Benzene	ug/kg	280	50	5.3	5	920	100	
Benzene Toluene	ug/kg	100	40	ND	5	380	200	
Xylenes	ug/kg	940	100	ND	20	2,400	200.	
Ethylbenzene	ug/kg	480	50	ND	5	1,200	100	

Concentrations reported as ND were not detected at or above the reporting limit.

Louis W. DuPuis

Quality Assurance/Quality Control Manager

APPENDIX C MISC. ATTACHMENTS FOR PHASE 2 AREA

PAT CASHMAN 17. Transporter 1 Acknowledgement of Receipt of Materials	Fat Cashnan	03/1/91
Printed/Typed Name Mairine Shagley	Signature Magley	Month Day Year
18. Transporter 2 Acknowledgement of Receigt of Majorials Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name Signature Adonth Day Year

DHS 8022 A (1/88)

PA 8700—22 Rev. 9-86) Previous editions are obsolete. Do Not Write Below This Line

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS

WASTE MANIFEST	10. 41/2/2003	Manifest ocument No. 4/20 X	2. Pag of	, whome	stion in the shaded area: required by Federal law.
			A. State	Manifest Docum	9057424
Generator's Name and Mailing Address Sewna Auto 2301 East 12th Cakla	nd, a, 94	606	B. State	Generator's ID	<u> </u>
Generator's Phone (415 5335864			<u> </u>		اول الملك
5. Transporter 1 Company Name 6.	US EPA ID Numbe			Transporter's I	
7. Transporter 2 Company Name 8.	US EPA 10 Numbe		E State	Fransporter's N	<i>;**</i>
				orier's Phone	
Designated Facility Name and Site Address 10. Erickson, Inc.	US EPA ID Numbe	•		Facility's 10	1914161613191
255 Parr Blvd.		• 5	H. Facilit	ra Phone	an elementaria de la composição de la comp
Richmond, Ca. 94801	0009466	12. Conta	inera T	(41.1 13. Total	5) 235–1393
t1. US DOT Description (including Proper Shipping Name, Hazard Class,	and ID Number)	No.	Туре	Quantity	Unit Wt/Vol
Waste Empty Storage Tank					8tein 512
NON DODA Hammadawa Manta Calid		900	, p	1 ⊒¢jok	PAVON
NON-RCRA Hazardous Waste Solid.		المهار وال		<u> mar (OK</u>	State
					EPA/Other
G.			1		Busto
					EPA/Other
d.	-	111		1111	State
u.					EPA/Other
Qty Empty Storage Tank (s) #50 Tank (s) have been income of the period of the pe	<u>14,565</u> erted with 1	5 l bs -		ing Codes for	Wastes Listed Above
Qty Empty Storage Tank (s) #50 . Tank (s) have been inc Dry Ice per 1000 Gal: Capacity:	14,5US erted with 1	5 1 hs :	K. 1	ing Codes for	Wastes Listed Above
Qty Empty Storage Tank (s) #50, Tank (s) have been inc Dry Ice per 1000 Gal: Capacity: 16. Special Handling Instructions and Additional Information				01	
Qty Empty Storage Tank (s) #50, Tank (s) have been income to the per 1000 Gal: Capacity: 15. Special Handling Instructions and Additional Information Keep away from sources of ignition.	Always wear	hardhat	s whe	O/	
Qty Empty Storage Tank (s) #50, Tank (s) have been income the per 1000 Gal: Capacity: 16. Special Handling Instructions and Additional Information Keep away from sources of ignition. U.S.T.'s 24 Hr: Contact Name	Always wear	hardhat	s whe	O/	
Oty Empty Storage Tank (s) #50, Tank (s) have been income to the per 1000 Gal: Capacity: 16. Special Handling Instructions and Additional Information Keep away from sources of ignition. U.S.T.'s 24 Hr: Contact Name Capacity: 16. GENERATOR'S CENTERCATION: Inscript declare that the contact	Always wear	hardhat	s whe	workin	g around
Qty Empty Storage Tank (s) #50, Tank (s) have been incompressed to the per 1000 Gal: Capacitys 16. Special Handling Instructions and Additional Information Keep away from sources of ignition. U.S.T.'s 24 Hr: Contact Name Cat. GENERATOR'S CENTIFICATION: I hereby declare that the content and are classified, packed, marked, and labeled, and are in all responsitional government regulations.	Always wear	hardhat & Phong are fully and ac	s when	n workin	g around 7732
Qty Empty Storage Tank (s) #50, Tank (s) have been incompressed to the per 1000 Gal: Capacitys 16. Special Handling Instructions and Additional Information Keep away from sources of ignition. U.S.T.'s 24 Hr: Contact Name 16. GENERATOR'S CERTIFICATION: I hereby declare that the content and are classified, packed, marked, and labeled, and are in all responsitional government regulations. If I am a large quantity generator, I certify that I have a program in p to be economically practicable and that I have selected the practice present and tuture threat to human health and the environment; OR,	Always wear as wear as to this consignment sects in proper condition place to reduce the vol able method of treatme, if I am a small quentit	hardhat & Phone are fully and act for transport turns and toxicit sett, storage, or by generator, i h	s when	workin	g around 7733 b by proper shipping name applicable international a site degree I have determined to the to me which minimized.
Qty Empty Storage Tank (s) #50	Always wear Always wear as of this consignment sects in proper condition blace to reduce the vol able method of treatme, if I am a small quentit available to me and the	hardhat & Phone are fully and act for transport turns and toxicit sett, storage, or by generator, i h	s when	workin	g around 7733 b by proper shipping name applicable international a site degree I have determined to the to me which minimized.
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Qty Empty Storage Tank (s) #50, Tank (s) have been income to the per 1000 Gal: Capacitys 16. Special Handling Instructions and Additional Information Keep away from sources of ignition. U.S.T.'s 24 Hr: Contact Name Catter of the content and are classified, packed, marked, and labeled, and are in all responsitional government regulations. If I am a large quantity generator, I certify that I have a program in p to be economically practicable and that I have selected the practice present and future threat to human health and the environment; OR, generation and select the best waste management method that is a printed/Typed Name A	Always wear Always wear as of this consignment sects in proper condition blace to reduce the vol able method of treatme, if I am a small quentit available to me and the	hardhat & Phone are fully and act for transport turns and toxicit sett, storage, or by generator, i h	s when	workin	g around 7733 b by proper shipping name applicable international at the degree I have determine to me which minimize that to minimize my wast
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Qty Empty Storage Tank (s) #50, Tank (s) have been income the per 1000 Gal: Capacitys 16. Special Handling Instructions and Additional Information Keep away from sources of ignition. U.S.T.'s 24 Hr: Contact Name Name Name Name Name Name Name Name	Always wear Always wear other of this consignment sects in proper condition clace to reduce the volument of the method of treatment if i am a small quantition Signature Signature	hardhat & Phone are fully and act for transport turns and toxicit sett, storage, or ty generator, i h	s when	workin	g around 7733 by proper shipping name applicable international a the degree I have determined to me which minimizer front to minimize my wast Month Da 1021
Qty Empty Storage Tank (s) #50, Tank (s) have been income the per 1000 Gal: Capacitys 16. Special Handling Instructions and Additional Information Keep away from sources of ignition. U.S.T.'s 24 Hr: Contact Name Name Name Name Name Name Name Name	Always wear Always wear other of this consignment sects in proper condition clace to reduce the volument of the method of treatment if i am a small quantition Signature Signature	hardhat & Phong are fully and ac in for transport is storage, or try generator, i ht i can attord.	s when	workin	g around 7733 by proper shipping name applicable international a the degree I have determined to me which minimizer front to minimize my wast Month Da 1021
Qty Empty Storage Tank (s) #50, Tank (s) have been income the per 1000 Gal: Capacitys 16. Special Handling Instructions and Additional Information Keep away from sources of ignition. U.S.T.'s 24 Hr: Contact Name Name Name Name Name Name Name Name	Always wear Always wear other of this consignment sects in proper condition clace to reduce the volument of the method of treatment if i am a small quantition Signature Signature	hardhat & Phone are fully and act for transport turns and toxicit sett, storage, or ty generator, i h	s when	workin	g around 7733 by proper shipping name applicable international a the degree I have determined to me which minimizer front to minimize my wast Month Da 1021
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Tank (s) have been income the period of the	Always wear Alway	hardhat & Phong are fully and acom for transport is to transport is to the state of	s who	workin described above according to generated to i urrently eveilet a good faith e	g around 7733 by proper shipping name applicable international a the degree I have determined to me which minimizer front to minimize my wast Month Da 1021

Νº

5615 CERTIFICATE

Certified Services Company
255 Parr Boulevard

Richmond, California 94801

Day or Night Telephone (415) 235-1393

For: <u>Erickson, Inc.</u> Tank	No.(s.) 5615	Location: Richmond Date: 02-15-91 Time: 1:30 p.m.
Test Method: Visual Gastech/1314 SMPN		Last Product: OCA COL
This is to certify that I have personally determined that are in accordance with the American Petroleum Institution of each to be in accordance with its assigned design	TE NUO NAVO IOULIU LIIG COMUNOM	on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.
· Tank(s)		Condition
1 Gal. Tank	Safe For Fire	0xy 20.0%
1- (ar. rank		LEL-LESS THAN 0.1%
•		
Remarks:		-4.
In the event of any physical or atmospheric changes af the above tanks, or if in any doubt immediately sto	fecting the gas-free condition of p all hot work and contact the	undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.
Standard Salety Designation: Sale for Men: Means that in the compartment or space content of the atmosphere is at least 19.5 percent materials in the atmosphere are within permissable judgment of the inspector, the residues are not capa under existing atmospheric conditions while maintain certificate.	ce so designated (a) The oxygen by volume; and that (b) Toxic concentrations; and (c) In the ble of producing toxic materials	Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.
The undersigned representative acknowledge	owledges receipt of this certificate a	and understands the conditions and limitations under which it was issued.
Representative	Title	Inspector

Νº

5614-7409S Walker Hydrulics

CERTIFICATE

Certified Services Company 255 Parr Boulevard Richmond, California 94801

Day or Night Telephone (415) 235-1393

C-D

For: <u>Eri</u>	ckson, Inc.	Tank h/1314 SMPN	No.(s.) 5614	Last Product: Date: 02-22-91 Time: 9:30 a.m.						
This is to cer	tify that I have person	ally determined that	the tank(s) in the following list e and have found the condition ation. This certificate is based	on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.						
	Tank(s)			Condition						
1-	1,000	Gal. Tank	Safe For Fire	0xy 20.0%						
	1) (1)			LEL-LESS THAN 0.1%						
Remarks:				- A						
In the event of	of any physical or atm anks, or if in any do	ospheric changes aff ubt immediately stop	ecting the gas-free condition of ball hot work and contact the	undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.						
Standard Sa Sale for M content of t materials in	ifety Designation: en: Means that in the other atmosphere is at the atmosphere are the Inspector, the re ng atmospheric condi	compartment or space least 19.5 percent l within permissable sidues are not capab tions while maintaine	e so designated (a) The oxygen by volume; and that (b) Toxic concentrations; and (c) In the alle of producing toxic materials and as directed on the Inspector's	Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are safisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.						
V	The undersigned r	epresentative acknow	wledges receipt of this certificate a	and understands the conditions and limitations under which it was issued.						
Representativ) All	· ·	Title	Inspector						

NON-HAZARDOUS WASTE DATA FORM

	The same and a super	<u>.</u>
	MANE WALKER HYDRAULICS	2
	ADDRESS 250 KEATS CIRCLE NO.	MICIOIOISIYIAICIOD
	CITY, STATE, ZIP PLEASANT HILL CA. 94523	
ATOR	CONTAINERS: No. 3 JOSE 184	. WEIGHT
GENERATOR	TYPE: TANK THUCK DRUMS CARTONS DOTHER	•
ву С	WASTE DESCRIPTION HOUSE SOIL PPM GENERATING PROCESS SO	
<u> </u>	· DIESEL 1-2%	
COMPLETE	2 695 1-2%	
CON	3_SOIL 96-98% 1	
BE	4	
5	PROPERTIES: PH SOLID LIQUID SLUDGE SLURRY OTHER	
	MANOLING INSTUCTIONS: PROFILE # 5-03281-2	
	THE GENERATOR CERTIFIES THAT	& HYDRAUUCS,
ļ	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% HAT CASHMAN LANDOWS	Ilhuan 212191
	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
E .	NAME DILLARO TRUCKUS	8.08.5.8.6.18.18.0.9
RANSPORTE	ADDRESS LOUTE BOX 73 SERVICE	ORDER NO.
INSI	CITY, STATE ZIP BYRON - COUF, 945/4 PICK UP	DATE #3-91
T.R.	PHONE HO. 45, 634-6857 BHD HERLINAN	x/-2.9/
	TRUCK UNIT, I.D. NO. 353 TYPED OF PRINTED FULL NAME & SIGNATURE	DATE
	NAME GIBSON OIL COMPANY 10 CO	AP9181081811/1717
ا خ	ADDRESS END OF COMMISSION DRUE [] LAN	DISPOSAL METHOD
TSD FACILITY	CITY, STATE, ZIP BOKSONFIELD . CAUF , 93308	
O FA	PHONE NO. (805) 327-04/3	04-2-91
¥	TYPED OR PHINTED FULL RAME & SIGNATURE	OATE
	GEN OLD/NEW L A TONS	•
-	TRANS S B	j
	C/O RT/CO HWDF NONE DISCREPANCY	

APPENDIX D LABORATORY REPORTS FOR PHASE 2 AREA

					Job numbe	r			•	7	•	Ana	Azez Le		/		1
Client na	ıme ⊓W.	Silv	eira)1 HZ				/-/	1	205	100	7 /	/ ৯/		
Project r			omotiv								1/9/	11/1	A				1.
	Senr	ia Auti	OMOCIVE	Sampler(s)	 		 -	1		/ 1		%Z:	19 J	/ /	8 8		•
Project I	nanager Pat	Cashm	an					}	/w/.	0/4		/c\>	' /	73		9598	•
			Type	:			Number	1	*\ <u>\</u> *				//		/ .	9330	
Sample number	Date sampled	Time sampled	Composite	Sample	description		containers	1/2	1/2/	25% c		y /	/ /×	33/			1
			Grab						$\frac{2}{\sqrt{1}}$			1			54 u.c	717	1
#1	21191	12,00	161	1000 TANK	NE	END				717					21 mg	TAI	-{
#2	1		Ī	1000 TANK	(NW_	END		X	$\times \times$	$X \mid X$	X	_		-			-
出3				11 11		END		X	$\times \times$	$\langle \times \rangle$	X						-
#4	 		 	11 11	SW			X	XX	$\langle \chi \rangle$	X					<i></i>	<u> </u>
	W/-		1-1/-1	<u> </u>			1	×	××				·		V		_]
#5			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	STOCK	FICIZ		<u> </u>							1-	-Blea.	ice	
						-11		-		1	1		_		T-9		1
				Gaup	losa)	8			_	-			+	-	X	7	1
						-								<u> </u>			1
	·												_		15 2/12/		-
														<u> </u> <u> </u>	angued h	s nomal	4
 										<u>.</u>			- 4	TA	t by f	Sm Gm	Jama
																Gm]
					<u> </u>			<u> </u>	C	ompan'	!				Date	Time	
		$\frac{1}{1}$	_ ^	Signature			LINE	10 12	- 12 <	_ 1	1.4.1	D42	₽£1) I C	52/11	2/2/10/	a.
Relinqui	ished by	tox		DIVINE	4~		TYLE	7570	// <u>//</u>		/ 	7.5		- \ 1	2/11/91	2:1001	
Receive	d by (ray	Hay	ton f	<u> </u>		TA	<u> </u>	·	<u> </u>					· · · · · · · /		1 ,
Relinqu	ished by				·							<u></u>					h
Received	d by	•					<u> </u>						 .				7
Relinqu	etinquished by								<u>. </u>						~		
Receive	d by						·										10
							, j						cetad				

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Hazardous samples will be returned to client or disposed of at client expense.



LOG NO.:

9598

DATE SAMPLED:

2/11/91

DATE RECEIVED: DATE EXTRACTED: 2/11/91

DATE ANALYZED:

2/11/91 2/12/91 and 2/13/91

1 kg

DATE REPORTED:

2/25/91

CUSTOMER:

Walker's Hydraulics

REQUESTER:

Pat Cashman

PROJECT:

No. Al001HZ, Senna Automotive

	Sample Type: Soil						
		. #1		#	2	#3	
Method and Constituent	<u>Units</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting <u>Limit</u>	Concen- tration	Reporting Limit
DHS Method:							••
Total Petroleum Hydro- carbons as Diesel	mg/kg	1,800	5	560	5	1.6	1
		#	4	#5 Stockpile		Method Blank	
Method and <u>Constituent</u>	Units	Concen- tration	Reporting Limit	Concen- tration	Reporting <u>Limit</u>	Concen- <u>tration</u>	Reporting <u>Limit</u>
DHS Method:							
Total Petroleum Hydro- carbons as Diesel	mg/kg	10	1	33	1	ND	1

OC Summary:

66.3 % Recovery:

% RPD:

7.5

Samples #1, #2, #4 and #5 indicate compounds eluting earlier than diesel.

LOG NO.: 9598
DATE SAMPLED: 2/11/91
DATE DECEIVED: 2/11/91

DATE RECEIVED: 2/11/91 DATE EXTRACTED: 2/11/91

DATE ANALYZED: 2/12/91, 2/20/91,

and 2/21/91

DATE REPORTED:

2/25/91

PAGE:

Two

		·	Sample T	ype:	Soil		
		#:	l	#2		#	3
Method and Constituent	<u>Units</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting <u>Limit</u>	Concen- tration	Reporting <u>Limit</u>
DHS Method: Total Petroleum Hydro- carbons as Gasoline	mg/kg	310	10	560	30	4.5	0.5
Modified EPA Method 8020:							
Benzene	mg/kg	ND	0.09	ND	0.2	0.03	9 0.01
Toluene	mg/kg	0.81	0.09	1.5	0.2	0.21	0.01
Xylenes	mg/kg	4.3	0.3	24	0.6	0.26	0.02
Ethylbenzene	mg/kg	77	0.1	17	0.3	0.11	0.005
		#4		#5 Stockpile		Method Blank	
Method and Constituent	<u>Units</u>	Concen- tration	Reporting <u>Limit</u>	Concen- tration	Reporting <u>Limit</u>	Concen- <u>tration</u>	Reporting <u>Limit</u>
DHS Method:							
Total Petroleum Hydro- carbons as Gasoline	mg/kg	5	2	32	0.8	ND	0.5
Modified EPA Method 8020:							
Benzene	mg/kg	ND	0.1	0.03	0.05	ND	0.005
Toluene	mg/kg	ND	0.1	0.13	0.06	ND	0.005
Xylenes	mg/kg	0.68	0.1	2.0	0.06	ND	0.02
Ethylbenzene	mg/kg	0.27	0.05	0.45	0.02	ND	0.005

Concentrations reported as ND were not detected at or above the reporting limit.

OC Summary:

% Recovery: 102 % RPD: 0.95

LOG NO.: 9598
DATE SAMPLED: 2/11/91
DATE RECEIVED: 2/11/91
DATE EXTRACTED: 2/11/91
DATE ANALYZED: 2/12/91
DATE REPORTED: 2/25/91
PAGE: Three

				Sample	Type:	<u>Şoil</u>	<u> </u>	
_			#1		#2	<u></u>	#	3
_	ethod and onstituent	<u>Units</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting <u>Limit</u>
E P	PA Method 8010:							
■ Be	enzyl Chloride	mg/kg	ND	0.05	ND	0.05	ND	0.05
■ Bi	is (2-Chloroethoxy) ethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
	is (2-Chloroisopropyl) ther	mg/kg	ND	0.05	ND	0.05	ND	0.05
■ Bı	romobenzene	mg/kg	ND	0.05	ND	0.05	МĎ	0.05
Bı	romodichloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
■ _B ,	romoform	mg/kg	ND	0.05	ND	0.05	ND	0.05
— B1	romomethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
C	arbon Tetrachloride	mg/kg	ND	0.05	ND	0.05	N D	0.05
C	hloracetaldehyde	mg/kg	ND	0.05	ND	0.05	ND	0.05
	hloral	mg/kg	ND	0.05	ND	0.05	ND	0.05
	hlorobenzene	mg/kg	0.0	57 0.05	ND	0.05	ND	0.05
<u> </u>	hloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
	hloroform	mg/kg	ND	0.05	ND	0.05	ND	0.05
	-Ch]orohexane	mg/kg	ND	0.05	ND	0.05	ND	0.05
2	2-Chloroethyl Vinyl Ether	mg/kg		0.05	ND	0.05	ND	0.05

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DATE ANALYZED: 2/12/91
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Sample Type:

_					•			
_			#1#		2		3	
	Method and Constituent	<u>Units</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting <u>Limit</u>
	EPA Method 8010 (Continued):						
_	Chloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
	Chloromethyl Methyl Ether	mg/kg	ND	0.05	ND	0.05	ND	0.05
	Chlorotoluene	mg/kg	ND	0.05	ND	0.05	ND -	0.05
	Dibromochloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
	Dibromomethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
	1,2-Dichlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
	1,3-Dichlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
	1,4-Dichlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
	Dichlorodifluoromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
	1,1-Dichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
	1,2-Dichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
	1,1-Dichloroethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
	Trans-1,2-Dichloro- ethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
	Dichloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
	1,2-Dichloropropane	mg/kg	ND	0.05	ND	0.05	ND	0.05
	1,3-Dichloropropylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
	1,1,2,2-Tetrachloro- ethane	mg/kg	MD	0.05	ND	0.05	ND	0.05

9598 LOG NO.: 2/11/91 DATE SAMPLED: DATE RECEIVED: 2/11/91 DATE EXTRACTED: 2/11/91 2/12/91 DATE ANALYZED: DATE REPORTED: 2/25/91 Five PAGE:

Sample Type:

	#	2	#3			
eporting	Concen-	Reporting	Concen-	Reporting		

_		. #	÷1	#	2	#3	
Method and Constituent	<u>Units</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010 (Continu	ied):						
1,1,1,2-Tetrachloro- l ethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Tetrachloroethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1,1-Trichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1,2-Trichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Trichloroethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Trichlorofluoro- methane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Trichloropropane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Vinyl Chloride	mg/kg	ND	0.05	ND	0.05	ND	0.05

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	Sample Types Soil										
•		. #4	,	#5 St	ockpile	Method Blank					
Method and Constituent	<u>Units</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting <u>Limit</u>				
EPA Method 8010:											
Benzyl Chloride	mg/kg	ND	0.05	ND	0.05	ND	0.05				
Bis (2-Chloroethoxy) Methane	mg/kg	ND	0.05	ND	0.05	ND .	0.05				
Bis (2-Chloroisopropyl) Ether	mg/kg	ND	0.05	ND	0.05	ND	0.05				
Bromobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05				
Bromodichloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05				
Bromoform	mg/kg	ND	0.05	ND	0.05	ND	0.05				
Bromomethane	mg/kg	ND	0.05	ND	0.05	ND	0.05				
Carbon Tetrachloride	mg/kg	ND	0.05	ND	0.05	ND	0.05				
Chloracetaldehyde	mg/kg	- ND	0.05	ND	0.05	ND	0.05				
Chloral	mg/kg	ND	0.05	ND	0.05	ND	0.05				
Chlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05				
Chloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05				
Chloroform	mg/kg	ND	0.05	ND	0.05	ND	0.05				
1-Chlorohexane	mg/kg	ND	0.05	ND	0.05	ND	0.05				
2-Chloroethyl Vinyl Ether	mg/kg	ND	0.05	ND	0.05	ND	0.05				

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DATE SAMPLED: 2/11/91

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DATE ANALYZED: 2/12/91

DATE REPORTED: 2/25/91

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		· · · · · · · · · · · · · · · · · · ·	Sample	Type:	Soil		
		#4		#5 St	ockpile	Metho	d Blank
Method and Constituent	<u>Units</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010 (Continued	l):						
Chloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chloromethyl Methyl Ether	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chlorotoluene	mg/kg	ND	0.05	ND	0.05	NĎ	0.05
Dibromochloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Dibromomethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,2-Dichlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,3-Dichlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,4-Dichlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Dichlorodifluoromethane	mg/kg	ND	0.05	ND	0.05	ΝĎ	0.05
1,1-Dichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,2-Dichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1-Dichloroethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Trans-1,2-Dichloro- ethylene	mg/ kg	ND	0.05	ND	0.05	ND	0.05
Dichloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,2-Dichloropropane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,3-Dichloropropylene	mg∕kg	ND	0.05	ND	0.05	ND	0.05
1,1,2,2-Tetrachloro- ethane	m g/kg	ND	0.05	ND	0.05	ND	0.05

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			Sample	Type:	Soil			
		#4	ļ	#5 St	ockpile	Method_Blank		
Method and Constituent	<u>Units</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	
EPA Method 8010 (Continu	ued):							
1,1,1,2-Tetrachloro- ethane	mg/kg	ND	0.05	ND	0.05	ND	0.05	
Tetrachloroethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05	
1,1,1-Trichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05	
1,1,2-Trichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05	
Trichloroethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05	
Trichlorofluoro- methane	mg/kg	ND	0.05	ND	0.05	ND	0.05	
Trichloropropane	mg/kg	ND	0.05	ND	0.05	ND	0.05	
Vinyl Chloride	mg/kg	ND	0.05	ND	0.05	ND	0.05	

Concentrations reported as ND were not detected at or above the reporting limit.

OC Summary:

% Recovery:

99

% RPD:

2.9

LOG NO.: 9598 DATE SAMPLED: 2/11/91 DATE RECEIVED: 2/11/91 DATE EXTRACTED: DATE ANALYZED: 2/14/91

2/14/91 DATE REPORTED: 2/25/91 Nine

PAGE:

Sample Type:

		Sample Type:			Soil				
		#1		<i>∵∉</i> #	2	#	#3		
Method and Constituent:	<u>Units</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit		
EPA Method 7130: Cadmium	mg/kg	ND	0.6	ND	0.6	ND	0.6		
EPA Method 7190: Chromium	mg/kg	49	1	43	1	49	1		
EPA Method 7420: Lead	mg/kg	7.8	3	8.2	3	7.2	3		
EPA Method 7520: Nickel	mg/kg	120	3	99	3	130	3		
EPA Method 7950: Zinc	mg/kg	64	0.5	65	0.5	73	0.5		

LOG NO.: 9598

DATE SAMPLED: 2/11/91

DATE RECEIVED: 2/11/91

DATE EXTRACTED: 2/14/91

DATE ANALYZED: 2/14/91

DATE REPORTED: 2/25/91

Ten

PAGE:

Sample Type: Soil

#4#5 StockpileMethod and Constituent:Concen- Reporting Units tration LimitConcen- Reporting tration LimitEPA Method 7130: Cadmiummg/kgND0.60.750.6	
Method and Concen- Reporting Concen- Reporting Concen- Reportion Limit Constituent: Units tration Limit EPA Method 7130:	Method Blank
	ing Concen- Reporting
	5 ND 0.6
EPA Method 7190: Chromium mg/kg 42 1 42 1	ND · 1
EPA Method 7420: Lead mg/kg 6 3 37 3	ND 3
EPA Method 7520: Nickel mg/kg 89 3 80 3	ND 3
EPA Method 7950: Zinc mg/kg 50 0.5 110 0.5	5 ND 0.5

9598
2/11/91
2/11/91
2/14/91
2/14/91
2/25/91
Eleven

Sample Type:

Soil

Method and	OC Summary					
Constituent:	%	% DDD				
EPA Method 7130: Cadmium	Recovery 84.8	1.8				
EPA Method 7190: Chromium	48.5	2.1				
EPA Method 7420: Lead	74.9	5.6				
EPA Method 7520: Nickel	87.2	9.8				
EPA Method 7950: Zinc	94.0	0.43				

Louis W. DuPuis Quality Assurance/Quality Control Manager

SENNA
AUTOPARTS

SHOP ARKA

COS END WALL

#3

#3

#3

#566

#188

#2

#2

#5 SAMPLE FREM STOCKPILE

SIDOWALK

Client na	_ 7()	VKI	IRA	Co		Job number			<u> </u>			/	/ /	Analyses r	equired		
Project n	515	727	A P	OTU				·		,	/9	/ /		/ /	///		
Project	panager (0 PKS 1	twa	₩ Sampler	(s)			,			3	//	//	///	Se s	Ωſ	- OP
Sample number	Date sampled	Time sampled	Type Composite or Grab		Sample des	cription		Number of container	1 /		/ //		//	//	10.10 10.10	.96	53 7 _
#6	7/27/A/	10:15	6	@,13 ¹	DEEP			1							No	RMA	TIAIT
#7	7/27/91	10:30	G			FTAN	K 131		X								
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Received	by		R	ECEIVA								-					
				<i>*0</i>	MAR 22	1991	j J	Samples are unless other Hazardous sa	arrange mples v	ments : will be	are ma	de.			*		1



March 7, 1991

Pat Cashman Walker's Hydraulics 250 Keats Circle Pleasant Hill, 94523

Dear Mr. Cashman:

Trace Analysis Laboratory received three soil samples on February, 27, 1991, for your Project Senna Auto (our custody Log Number 9637).

These samples were analyzed for the tests as indicated on your chain of custody. Our analytical report and a copy of the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,

Gerald H. Nieder-Westermann

Project Specialist

GNW:gnw

Enclosures

RECEIVED HAR 2 2 1991

LOG NO .:

9637

DATE SAMPLED:

2/27/91 2/27/91

DATE RECEIVED: DATE EXTRACTED:

DATE ANALYZED:

3/04/91 3/06/91

DATE REPORTED:

. . .

3/07/91

CUSTOMER:

Walker's Hydraulics

REQUESTER:

Pat Cashman

PROJECT:

Senna Auto

	Sample Type: Soil									
		#	! 6	#	÷7	#8				
Method and Constituent	<u>Units</u>	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting <u>Limit</u>			
DHS Method:						•	- ™			
Total Petroleum Hydro- carbons as Diesel	mg/kg	21	1	51	2	110	2			
Method and Constituent	<u>Units</u>	Metho Concen- tration	od Blank Reporting Limit							
DHS Method: Total Petroleum Hydro-										

1

OC Summary:

% Recovery:

carbons as Diesel

% RPD:

2.2

Concentrations reported as ND were not detected at or above the reporting limit.

ND

Samples 6, 7 and 8 indicate compounds eluting earlier than diesel.

mg/kg

RECEIVED MAR 2 2 1991

LOG NO.: 9637
DATE SAMPLED: 2/27/91
DATE RECEIVED: 2/27/91
DATE EXTRACTED: 2/27/91
DATE ANALYZED: 2/28/91
DATE REPORTED: 3/07/91
PAGE: Two

So il

		. #	6	#	· 7	.#	8
Method and Constituent	<u>Units</u>	Concen- tration		Concen- tration	, ,	Concen- tration	Reporting Limit
DHS Method:							
Total Petroleum Hydro- carbons as Gasoline	mg/kg	3.6	0.5	150	2	140	20

<u>Sample Typew</u>

Method and Concen- Reportin		Metho	<u>d Blank</u>
<u>Constituent</u> <u>Units tration Limit</u>	<u>Units</u>		, -

DHS Method:

Total Petroleum Hydrocarbons as Gasoline mg/kg ND

0.5

OC Summary:

% Recovery: 106 % RPD: 1.9

Concentrations reported as ND were not detected at or above the reporting limit.

Louis W. DuPuis

Quality Assurance/Quality Control Manager

RECEIVED MAR 2 2 1991