



CORE LABORATORIES

LABORATORY TESTS RESULTS 07/10/98

JOB NUMBER: 980859

CUSTOMER: John R. Marlow

ATTN: John R. Marlow

CLIENT I.D.: 89 Oct. Texaco, No Catalyst
 DATE SAMPLED: 07/06/98
 TIME SAMPLED: 00:00
 WORK DESCRIPTION: 89 Oct. Texaco, Without Catalyst Control

LABORATORY I.D.: 980859-0001
 DATE RECEIVED: 07/06/98
 TIME RECEIVED: 12:23
 REMARKS: 1 Gallon & 1 Quart Flat Can

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
ASTM D-86 Distillation		*1		ASTM D-86	07/10/98	GS
Initial Boiling Point	101	1	Deg. F	ASTM D-86		
05% Evaporated Temperature	130	1	Deg. F	ASTM D-86		
10% Evaporated Temperature	140	1	Deg. F	ASTM D-86		
20% Evaporated Temperature	153	1	Deg. F	ASTM D-86		
30% Evaporated Temperature	167	1	Deg. F	ASTM D-86		
40% Evaporated Temperature	185	1	Deg. F	ASTM D-86		
50% Evaporated Temperature	203	1	Deg. F	ASTM D-86		
60% Evaporated Temperature	225	1	Deg. F	ASTM D-86		
70% Evaporated Temperature	250	1	Deg. F	ASTM D-86		
80% Evaporated Temperature	280	1	Deg. F	ASTM D-86		
90% Evaporated Temperature	319	1	Deg. F	ASTM D-86		
95% Evaporated Temperature	344	1	Deg. F	ASTM D-86		
End Point	397	1	Deg. F	ASTM D-86		
% Recovery	98.4	0.1	Vol. %	ASTM D-86		
% Residue	0.9	0.1	Vol. %	ASTM D-86		
% Loss	0.7	0	Vol. %	ASTM D-86		
Aromatics, Olefins, Saturates		*1		ASTM D-1319	07/10/98	CM
Aromatics	24.2	1.0	Volume %	ASTM D-1319		
Olefins	3.1	1.0	Volume %	ASTM D-1319		
Saturates	72.7	1.0	Volume %	ASTM D-1319		
Acid Number	0.021	0.002	mg KOH/g	ASTM D-664	07/10/98	GMS
Reid Equivalent Vapor Pressure		*1		ASTM D-5191	07/10/98	GS
RVP CARB Calculation	6.97	0.10	psi	ASTM D-5191 (CARB)		
RVP EPA Calculation	7.21	0.10	psi	ASTM D-5191 (EPA)		
RVP ASTM Calculation	7.07	0.10	psi	ASTM D-5191 (ASTM)		
Pressure Total/ Grabber Instrument	7.90	0.10	psi	ASTM D-5191		

21730 S. Wilmington Suite 201
 Carson, CA 90810
 (310) 513-2031



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07/10/98

JOB NUMBER: 980859

CUSTOMER: John R. Marlow

ATTN: John R. Marlow

CLIENT I.D.: 89 Oct. Texaco, With Catalyst
 DATE SAMPLED: 07/06/98
 TIME SAMPLED: 00:00
 WORK DESCRIPTION: 89 Oct. Texaco, With Catalyst Control

LABORATORY I.D.: 980859-0002
 DATE RECEIVED: 07/06/98
 TIME RECEIVED: 12:22
 REMARKS: 1 Gallon & 1 Quart Flat Can

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
ASTM D-86 Distillation		*1		ASTM D-86	07/10/98	GS
Initial Boiling Point	96	1	Deg. F	ASTM D-86		
05% Evaporated Temperature	130	1	Deg. F	ASTM D-86		
10% Evaporated Temperature	140	1	Deg. F	ASTM D-86		
20% Evaporated Temperature	153	1	Deg. F	ASTM D-86		
30% Evaporated Temperature	167	1	Deg. F	ASTM D-86		
40% Evaporated Temperature	184	1	Deg. F	ASTM D-86		
50% Evaporated Temperature	204	1	Deg. F	ASTM D-86		
60% Evaporated Temperature	226	1	Deg. F	ASTM D-86		
70% Evaporated Temperature	250	1	Deg. F	ASTM D-86		
80% Evaporated Temperature	281	1	Deg. F	ASTM D-86		
90% Evaporated Temperature	319	1	Deg. F	ASTM D-86		
95% Evaporated Temperature	345	1	Deg. F	ASTM D-86		
End Point	395	1	Deg. F	ASTM D-86		
% Recovery	97.9	0.1	Vol. %	ASTM D-86		
% Residue	0.9	0.1	Vol. %	ASTM D-86		
% Loss	1.2	0	Vol. %	ASTM D-86		
Aromatics, Olefins, Saturates		*1		ASTM D-1319	07/10/98	CH
Aromatics	25.1	1.0	Volume %	ASTM D-1319		
Olefins	3.5	1.0	Volume %	ASTM D-1319		
Saturates	71.4	1.0	Volume %	ASTM D-1319		
Acid Number	0.022	0.002	mg KOH/g	ASTM D-664	07/10/98	GMS
Raid Equivalent Vapor Pressure		*1		ASTM D-5191	07/10/98	GS
RVP CARB Calculation	6.96	0.10	psi	ASTM D-5191 (CARB)		
RVP EPA Calculation	7.19	0.10	psi	ASTM D-5191 (EPA)		
RVP ASTM Calculation	7.06	0.10	psi	ASTM D-5191 (ASTM)		
Pressure Total/ Grabner Instrument	7.89	0.10	psi	ASTM D-5191		

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CORE LABORATORIES

LABORATORY TESTS RESULTS 02/02/001

JOB NUMBER: 110137 CUSTOMER: ATTN:

SAMPLE NUMBER: 7 DATE RECEIVED: 01/31/01 TIME RECEIVED: : SAMPLE DATE: / / SAMPLE TIME: :

PROJECT: 2 Days with Cat SAMPLE: 2 Days With Cat REM: 1-1gas red container

TEST DESCRIPTION	SAMPLE	7					UNITS OF MEASURE
Sulfur by X-ray Spectrometry	0.0118						wt%
Cetane Number, Neat	54.8						Cetane Number

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CORE LABORATORIES
ANALYTICAL REPORT

Job Number: 980859
Prepared For:

John R. Marlow
John R. Marlow
4913 Montervey Ave.
Las Vegas, NV 89121

Date: 07/10/98

Signature



Date:

7/10/98

Name: Greg L. Cook

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