

Acme Coke  
11236 S. Torrence Ave.  
Chicago IL 60617



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Daily Laboratory Reports

Dated: 1999

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# ACME DAILY LABORATORY REPORT #2

DATE 11/12/99

TIME	DAILY COAL MIX	COAL						SCREEN		WEIGHT PER CUBIC FOOT
		MOIS-TURE	V.M.	F.C.	ASH	SUL	TH 1/4"	TH 1/8"		
									07:30 AM	
04:10 PM	TEST MIX	6.75	20.35	74.40	5.25	0.78	95.80	87.01	45.43	

COKE												
SCREEN TESTS												
PRODUCTION COKE						Stock And Prod	Pile	BREEZE				
SIZE	11-7 SHIFT	7-3 SHIFT	3-11 SHIFT	Prod Avg	Prod			SIZE	Mix Breeze	Sump Breeze		
ON 3"	7.9	8.0	8.1	8.0			ON 1"					
ON 2"	41.6	41.8	40.0	41.1			ON 1/2"					
ON 1 1/2"	29.4	27.0	28.8	28.4			ON 1/4"					
ON 1"	16.2	20.3	18.3	18.3			ON 1/8"					
ON 1/2"	4.4	2.6	4.3	3.8			ON 30M					
TH 1/2"	0.5	0.3	0.5	0.4			TH 30M					
Type	Prod	Prod	Prod				ON 60M					
							ON 100M					
Stability	61.9	64.1	64.4	63.4			TH 100M					
Hardness	69.5	69.7	69.2	69.5			ON 200M					
							TH 200M					
H2O	6.12	6.44	5.80	6.12			H2O					
V.M.				0.79			V.M.					
F.C.				90.60			F.C.					
ASH				8.61			ASH					
SUL				0.74			SUL					

LIGHT OIL - SHIPMENT TO ASHLAND REFINERY				ABSORPTION OIL @	
DATE	TRUCK NUMBER	SPEC. GRAV.	POUNDS/GALLON	170 C	200 C
11-3	810	0.884	7.370	% L. O. IN BEN OIL	
11-2	810-4:30PM	0.885	7.378	% L. O. IN DEBEN OIL	
11-5	810	0.885	7.378		
11-2	810-7:30PM	0.886	7.387		
11-2	810	0.885	7.378		
10-30	810-7:30PM	0.885	7.378		

COKE OVEN GAS						BLAST FURNACE GAS	
	NAPHTHALENE	NH3 LOSS		H2S		B. T. U.	SPECIFIC GRAVITY
	GR/100 CUBIC FEET	LBS. PER 10,000 CU. FT.	SPECIFIC GRAVITY	CUBIC FEET OF GAS	GR/100 CUBIC FEET		
BEFORE ABSORBER		4.245		7.81	20	76.5	0.966
BEFORE SECONDARY COOLER							
BEFORE LIGHT OIL SCRUBBERS							
CLEAN GAS	0.00	0.019	0.412	9.72	130		

# ACME DAILY LABORATORY REPORT #2

DATE 11/20/99

TIME	DAILY COAL MIX	COAL						SCREEN		WEIGHT PER CUBIC FOOT
		MOIS-TURE	V.M.	F.C.	ASH	SUL	TH 1/4	TH 1/8		
		7:55 AM		7.42	25.09	68.70	6.21	0.90	92.65	

COKE													
PRODUCTION COKE						SCREEN TESTS							
SIZE	11-7 SHIFT	7-3 SHIFT	3-11 SHIFT	Prod Avg	Stock And Prod	Aimcor Pet Pile					BREEZE		
						Pile					SIZE	Mix Breeze	Sump Breeze
ON 3"	5.	10.	10.	8.							ON 1"		
ON 2"	35.	44.	37.	38.							ON 1/2"		
ON 1 1/2"	37.	27.	31.	32.							ON 1/4"		
ON 1"	15.	14.	15.	15.							ON 1/8"		
ON 1/2"	5.	3.	5.	4.							ON 30M		
TH 1/2"	0.	0.	0.	0.							TH 30M		
Type	Prod	Prod	Prod								ON 1"		
											ON 3/4		
Stability	64.4	63.3	64.4	64.0							ON 100		
Hardness	69.1	68.4	69.9	69.1							TH 100M		
											ON 200		
											TH 200M		
H2O	6.57	10.8	10.3	9.25		6.86					H2O		
V.M.				0.71		13.95					V.M.		
F.C.				90.68		85.58					F.C.		
ASH				8.61		0.47					ASH		
SUL				0.66		1.67					SUL		

LIGHT OIL - SHIPMENT TO ASHLAND REFINERY				ABSORPTION OIL @	
DATE	TRUCK NUMBER	SPEC. GRAV.	POUNDS/GALLON	170 C	200 C
				% L. O. IN BEN OIL	
				% L. O. IN DEBEN OIL	

COKE OVEN GAS						BLAST FURNACE GAS	
	NAPHTHALENE	NH3 LOSS		H2S			
	GR/100 CUBIC FEET	LBS. PER 10,000 CU. FT.	SPECIFIC GRAVITY	CUBIC FEET OF GAS	GR/100 CUBIC FEET	B. T. U.	SPECIFIC GRAVITY
BEFORE ABSORBER		3.737		11.24	40		0.986
BEFORE SECONDARY COOLER							
BEFORE LIGHT OIL SCRUBBERS							
CLEAN GAS	0.30	0.106	0.366	19.52	40		

# ACME DAILY LABORATORY REPORT #2

DATE 11/21/99

TIME	COAL							SCREEN		WEIGHT PER CUBIC FOOT		
	DAILY COAL MIX				MOIS-TURE	V.M.	F.C.	ASH	SUL			
											TH 1/4	TH 1/8
8:10 AM					7.48	23.83	70.18	5.99	0.88	92.62	80.62	45.12

## COKE

### SCREEN TESTS

PRODUCTION COKE					Stock And Prod	Aimcor Pet Pile	BREEZE				
SIZE	11-7 SHIFT	7-3 SHIFT	3-11 SHIFT	Prod Avg			SIZE	Mix Breeze	Sump Breeze		
ON 3"	2.	7.	7.	5.					ON 1"	0.	
ON 2"	39.	42.	42.	41.					ON 1/2"	85.	19.
ON 1 1/2"	33.	27.	30.	30.					ON 1/4"	12.	5.
ON 1"	18.	16.	14.	16.					ON 1/8"	-0.	5.
ON 1/2"	5.	4.	4.	4.					ON 30M	0.	61.
TH 1/2"	0.	0.	0.	0.					TH 30M		
Type	Prod	Prod	Prod						ON 1"		
									ON 3/4		
Stability	63.5	62.9	63.9	63.4					ON 60M	0.	4.
Hardness	69.3	68.6	69.8	69.2					ON 100	0.	3.
									TH 100M	0.	
									ON 200		0.
									TH 200M		0.
H2O	6.45	6.05	6.28	6.26		7.08			H2O	12.6	7.5
V.M.				0.88		13.82			V.M.	1.6	4.1
F.C.				90.44		85.75			F.C.	88.1	83.6
ASH				8.68		0.43			ASH	10.1	12.1
SUL				0.68		1.71			SUL	0.7	0.6

### LIGHT OIL - SHIPMENT TO ASHLAND REFINERY

DATE	TRUCK NUMBER	SPEC. GRAV.	POUNDS/GALLON	ABSORPTION OIL @	170 C	200 C
				% L. O. IN BEN OIL	1.44	1.63
				% L. O. IN DEBEN OIL	0.00	0.00
				Sample Date:	11/14/99	

### COKE OVEN GAS

	NAPHTHALENE	NH3 LOSS	H2S			BLAST FURNACE GAS	
	GR/100 CUBIC FEET	LBS. PER 10,000 CU. FT.	SPECIFIC GRAVITY	CUBIC FEET OF GAS	GR/100 CUBIC FEET	B. T. U.	SPECIFIC GRAVITY
BEFORE ABSORBER							
BEFORE SECONDARY COOLER							
BEFORE LIGHT OIL SCRUBBERS							
CLEAN GAS							

# ACME DAILY LABORATORY REPORT #2

DATE 11/22/99

TIME	DAILY COAL MIX	COAL							WEIGHT PER CUBIC FOOT
		MOIS-TURE	V.M.	F.C.	ASH	SUL	SCREEN		
							TH 1/4	TH 1/8	
7:35 AM		7.29	26.53	67.60	5.87	0.81	92.95	80.42	47.34
2:20 PM	TEST MIX	6.85	19.92	73.18	6.90	0.63	99.32	92.53	47.34

## COKE

### SCREEN TESTS

PRODUCTION COKE					Stock And Prod	Aimcor Pet Pile	SCREEN TESTS										BREEZE		
SIZE	11-7 SHIFT	7-3 SHIFT	3-11 SHIFT	Prod Avg			Size	Weight	Size	Weight	Size	Weight	Size	Weight	Size	Weight	Size	Mix Breeze	Sump Breeze
ON 3"	6.		6.	6.												ON 1"			
ON 2"	32.		38.	35.												ON 1/2"			
ON 1 1/2"	35.		32.	33.												ON 1/4"			
ON 1"	18.		18.	18.												ON 1/8"			
ON 1/2"	6.		4.	5.												ON 30M			
TH 1/2"	0.		0.	0.												TH 30M			
Type	Prod		Prod													ON 1"			
																ON 3/4			
Stability	62.8		64.8	63.8												ON 100			
Hardness	69.2		69.8	69.4												TH 100M			
																ON 200			
																TH 200M			
H2O	12.4		5.56	9.00		4.55										H2O			
V.M.				0.96		14.54										V.M.			
F.C.				90.23		85.02										F.C.			
ASH				8.81		0.44										ASH			
SUL				0.71		1.98										SUL			

### LIGHT OIL - SHIPMENT TO ASHLAND REFINERY

DATE	TRUCK NUMBER	SPEC. GRAV.	POUNDS/GALLON	ABSORPTION OIL @	
				170 C	200 C
				% L. O. IN BEN OIL	
				% L. O. IN DEBEN OIL	

### COKE OVEN GAS

### BLAST FURNACE GAS

	NAPHTHALENE	NH3 LOSS	SPECIFIC GRAVITY	CUBIC FEET OF GAS	H2S	B. T. U.	SPECIFIC GRAVITY
	GR/100 CUBIC FEET	LBS. PER 10,000 CU. FT.			GR/100 CUBIC FEET		
BEFORE ABSORBER							
BEFORE SECONDARY COOLER							
BEFORE LIGHT OIL SCRUBBERS							
CLEAN GAS							

# ACME DAILY LABORATORY REPORT #2

DATE 11/23/99

TIME	DAILY COAL MIX	COAL						SCREEN		WEIGHT PER CUBIC FOOT
		MOIS-TURE	V.M.	F.C.	ASH	SUL	TH 1/4	TH 1/8		
							8.37	23.21	71.45	
9:30 AM										

## COKE

### SCREEN TESTS

PRODUCTION COKE					Stock And Prod	Aimcor Pet Pile	BREEZE				
SIZE	11-7 SHIFT	7-3 SHIFT	3-11 SHIFT	Prod Avg			SIZE	Mix Breeze	Sump Breeze		
ON 3"	6.		5.	6.					ON 1"		
ON 2"	35.		38.	37.					ON 1/2"		
ON 1 1/2"	31.		29.	30.					ON 1/4"		
ON 1"	19.		20.	19.					ON 1/8"		
ON 1/2"	7.		5.	6.					ON 30M		
TH 1/2"	0.		0.	0.					TH 30M		
Type	Prod		Prod						ON 1"		
									ON 3/4		
Stability	63.8		63.0	63.4					ON 100		
Hardness	68.9		69.2	69.1					TH 100M		
									ON 200		
									TH 200M		
H2O	5.43		9.22	7.32					H2O		
V.M.				0.86					V.M.		
F.C.				90.55					F.C.		
ASH				8.59					ASH		
SUL				0.72					SUL		

### LIGHT OIL - SHIPMENT TO ASHLAND REFINERY

DATE	TRUCK NUMBER	SPEC. GRAV.	POUNDS/GALLON	ABSORPTION OIL @	
				170 C	200 C
				% L. O. IN BEN OIL	
				% L. O. IN DEBEN OIL	

### COKE OVEN GAS

	NAPHTHALENE	NH3 LOSS	H2S			BLAST FURNACE GAS	
	GR/100 CUBIC FEET	LBS. PER 10,000 CU. FT.	SPECIFIC GRAVITY	CUBIC FEET OF GAS	GR/100 CUBIC FEET	B. T. U.	SPECIFIC GRAVITY
BEFORE ABSORBER							
BEFORE SECONDARY COOLER							
BEFORE LIGHT OIL SCRUBBERS							
CLEAN GAS							

# ACME DAILY LABORATORY REPORT #2

DATE 11/24/99

COAL										
TIME	DAILY COAL MIX				MOIS-TURE	V.M.	F.C.	ASH	SUL	WEIGHT PER CUBIC FOOT
9:40 AM					6.65	27.14	66.30	6.56	0.75	44.52
3:05 PM	TEST MIX				6.17	18.71	73.96	7.33	0.62	46.93

## COKE

### SCREEN TESTS

PRODUCTION COKE					Stock And Prod	Aimcor Pet Pile	USX none	Nut Coke A Fce	BREEZE		
SIZE	11-7 SHIFT	7-3 SHIFT	3-11 SHIFT	Prod Avg		Pile			SIZE	Mix Breeze	Sump Breeze
ON 3"	6.		7.	6.					ON 1"		
ON 2"	41.		38.	39.					ON 1/2"		
ON 1 1/2"	27.		29.	28.					ON 1/4"		
ON 1"	18.		20.	19.					ON 1/8"		
ON 1/2"	5.		5.	5.					ON 30M		
TH 1/2"	0.		0.	0.					TH 30M		
Type	Prod		Prod					ON 1"	25.		
Stability	64.0		63.1	63.6				ON 3/4	14.		
Hardness	69.2		67.8	68.5							
								ON 1/2	55.		
								TH 1/2"	5.		
H2O	5.96		10.2	8.10		2.52				H2O	
V.M.				0.93		13.59				V.M.	
F.C.				90.59		85.51				F.C.	
ASH				8.48		0.90				ASH	
SUL				0.70		2.09				SUL	

### LIGHT OIL - SHIPMENT TO ASHLAND REFINERY

DATE	TRUCK NUMBER	SPEC. GRAV.	POUNDS/GALLON	ABSORPTION OIL @	170 C	200 C
				% L. O. IN BEN OIL		
				% L. O. IN DEBEN OIL		

### COKE OVEN GAS

	NAPHTHALENE	NH3 LOSS	BLAST FURNACE GAS		
	GR/100 CUBIC FEET	LBS. PER 10,000 CU. FT.	SPECIFIC GRAVITY	CUBIC FEET OF GAS	H2S GR/100 CUBIC FEET
BEFORE ABSORBER					
BEFORE SECONDARY COOLER					
BEFORE LIGHT OIL SCRUBBERS					
CLEAN GAS					

# ACME DAILY LABORATORY REPORT #2

DATE 11/25/99

TIME	DAILY COAL MIX	COAL						SCREEN		WEIGHT PER CUBIC FOOT
		MOIS-TURE	V.M.	F.C.	ASH	SUL	TH 1/4"	TH 1/8"		
7:55 AM		6.62	25.12	68.84	6.04	0.93	92.81	80.17	45.83	

## COKE

### SCREEN TESTS

PRODUCTION COKE						Stock And Prod	Aimcor Pet Pile	BREEZE				
SIZE	11-7 SHIFT	7-3 SHIFT	3-11 SHIFT	Prod Avg				SIZE	Mix Breeze	Sump Breeze		
ON 3"	6.9		8.1	6.9	7.5					ON 1"		
ON 2"	39.5		34.4	39.5	37.0					ON 1/2"		
ON 1 1/2"	30.6		34.4	30.6	32.5					ON 1/4"		
ON 1"	19.6		17.7	19.6	18.6					ON 1/8"		
ON 1/2"	2.9		4.9	2.9	3.9					ON 30M		
TH 1/2"	0.5		0.5	0.5	0.5					TH 30M		
Type	Prod		Stock							ON 1"		
Stability	63.3		62.8	63.3	63.0					ON 3/4"		
Hardness	69.5		69.3	69.5	69.4					ON 100M TH		
										ON 100M ON		
										ON 200M TH		
										ON 200M		
H2O	6.38		6.95	6.38	6.66	6.51				H2O		
V.M.	0.88		0.73	0.88	0.81	13.81				V.M.		
F.C.	90.34		90.46	90.34	90.39	85.88				F.C.		
ASH	8.78		8.81	8.78	8.80	0.31				ASH		
SUL	0.77		0.67	0.77	0.72	2.47				SUL		

### LIGHT OIL - SHIPMENT TO ASHLAND REFINERY

DATE	TRUCK NUMBER	SPEC. GRAV.	POUNDS/GALLON	ABSORPTION OIL @	
				170 C	200 C
				% L. O. IN BEN OIL	
				% L. O. IN DEBEN OIL	

### COKE OVEN GAS

### BLAST FURNACE GAS

	NAPHTHALENE	NH3 LOSS	H2S			B. T. U.	SPECIFIC GRAVITY
	GR/100 CUBIC FEET	LBS. PER 10,000 CU. FT.	SPECIFIC GRAVITY	CUBIC FEET OF GAS	GR/100 CUBIC FEET		
BEFORE ABSORBER							
BEFORE SECONDARY COOLER							
BEFORE LIGHT OIL SCRUBBERS							
CLEAN GAS							



# ACME DAILY LABORATORY REPORT #2

DATE 11/26/99

## COAL

TIME	DAILY COAL MIX	MOIS- TURE	V.M.	F.C.	ASH	SUL	SCREEN		WEIGHT PER CUBIC FOOT
							TH 1/4"	TH 1/8"	
7:05 AM		7.50	23.49	71.42	5.09	1.00	95.20	81.76	45.43
1:30 PM	TEST MIX	6.20	17.98	75.80	6.22	0.67	99.39	93.17	44.72

## COKE

### SCREEN TESTS

PRODUCTION COKE						Stock And Prod	Pile	BREEZE		
SIZE	11-7 SHIFT	7-3 SHIFT	3-11 SHIFT	Prod Avg				SIZE	Mix Breeze	Sump Breeze
ON 3"	6.9	7.0	4.4	6.1					ON 1"	
ON 2"	41.1	32.4	35.0	36.3					ON 1/2"	
ON 1 1/2"	31.6	35.6	35.1	34.1					ON 1/4"	
ON 1"	13.2	18.4	18.0	16.5					ON 1/8"	
ON 1/2"	6.9	6.1	7.0	6.6					ON 30M	
TH 1/2"	0.3	0.5	0.5	0.4					TH 30M	
Type	Prod	Prod	Prod						ON 60M	
Stability	63.0	64.3	61.5	62.9					ON 3/4"	
Hardness	69.1	69.1	67.5	68.5					ON 100M TH	
									ON 100M ON	
									ON 200M TH	
									ON 200M TH	
H2O	5.81	5.80	5.39	5.67					H2O	
V.M.				0.89					V.M.	
F.C.				90.54					F.C.	
ASH				8.57					ASH	
SUL				0.71					SUL	

### LIGHT OIL - SHIPMENT TO ASHLAND REFINERY

DATE	TRUCK NUMBER	SPEC. GRAV.	POUNDS/GALLON	ABSORPTION OIL @	170 C	200 C
				% L. O. IN BEN OIL	1.10	1.23
				% L. O. IN DEBEN OIL	0.00	0.00
				Sample Date:	11/21/99	

### COKE OVEN GAS

	NAPHTHALENE	NH3 LOSS	H2S			BLAST FURNACE GAS	
	GR/100 CUBIC FEET	LBS. PER 10,000 CU. FT.	SPECIFIC GRAVITY	CUBIC FEET OF GAS	GR/100 CUBIC FEET	B. T. U.	SPECIFIC GRAVITY
BEFORE ABSORBER		3.451		10.17	50		0.994
BEFORE SECONDARY COOLER							
BEFORE LIGHT OIL SCRUBBERS							
CLEAN GAS	5.00	0.050	0.381	17.37	110		

# ACME DAILY LABORATORY REPORT #2

DATE 11/27/99

TIME	DAILY COAL MIX	COAL						SCREEN		WEIGHT PER CUBIC FOOT
		MOIS-TURE	V.M.	F.C.	ASH	SUL	TH 1/4"	TH 1/8"		
7:40 AM		8.30	26.78	67.16	6.06	0.85	93.30	80.49	44.42	

COKE												
PRODUCTION COKE						SCREEN TESTS			BREEZE			
SIZE	11-7 SHIFT	7-3 SHIFT	3-11 SHIFT	Prod Avg	Stock And Prod	Pile				SIZE	Mix Breeze	Sump Breeze
ON 3"	7.9	7.6	7.2	7.6						ON 1"		
ON 2"	39.6	39.0	31.8	36.7						ON 1/2"		
ON 1 1/2"	27.3	26.8	35.7	30.0						ON 1/4"		
ON 1"	20.3	20.5	17.8	19.5						ON 1/8"		
ON 1/2"	4.3	5.4	7.0	5.6						ON 30M		
TH 1/2"	0.6	0.7	0.5	0.6						TH 30M		
Type	Prod	Prod	Prod						ON 1"	ON 60M		
									ON 3/4"	ON 100M TH		
Stability	63.1	64.3	63.2	63.5						ON 100M TH		
Hardness	68.8	69.4	68.8	69.0						ON 200M TH		
									ON 1/2" TH	200M		
H2O	9.07	5.88	3.98	6.31						H2O		
V.M.				0.76						V.M.		
F.C.				90.66						F.C.		
ASH				8.58						ASH		
SUL				0.72						SUL		

LIGHT OIL - SHIPMENT TO ASHLAND REFINERY				ABSORPTION OIL @		170 C	200 C
DATE	TRUCK NUMBER	SPEC. GRAV.	POUNDS/GALLON	% L. O. IN BEN OIL	% L. O. IN DEBEN OIL		

COKE OVEN GAS						BLAST FURNACE GAS	
	NAPHTHALENE	NH3 LOSS		H2S			
	GR/100 CUBIC FEET	LBS. PER 10,000 CU. FT.	SPECIFIC GRAVITY	CUBIC FEET OF GAS	GR/100 CUBIC FEET	B. T. U.	SPECIFIC GRAVITY
BEFORE ABSORBER							
BEFORE SECONDARY COOLER							
BEFORE LIGHT OIL SCRUBBERS							
CLEAN GAS							