

# SCREEN ANALYSIS DATA SHEET (TY-LAB)

RUN NO. C1057 Start up SAMPLE NO. 1 DATE 8/23/67  
 UNIT RETORT #3 DESCRIPTION TYLAB  
 APPROX. SHALE SIZE 1/4" x 1/8" SHAKING TIME 10 min ANALYSIS BY Bob + Bob  
 TOTAL SAMPLE WT. GROSS 124.6 - TARE 9.9 = NET 114.7

SCREEN SIZE			WEIGHTS								
SCREENS REQD.	OPENING SIZE	MESH	GROSS LBS.	TARE LBS.	NET WT. RETAINED	SCREEN SIZE	D <sub>i</sub> *	1/D <sub>i</sub>	% RETAINED	CUM. % RETAINED	% PASSING
	4.25					4.25					
	3.00					3.00	(3.125)	(0.3200)			
	2.50					2.50	(2.625) 2.750	(0.3809) 0.3636			
	2.00					2.00	2.250	0.4444			
	1.50					1.50	1.750	0.5714			
	1.05		27.9	19.1	8.8	1.05	(1.087) 1.275	(0.9199) 0.7843	7.67		92.32
	0.742		74.5	20.5	54.0	0.742	0.896	1.116	47.08		45.24
	0.525		46.5	18.5	28.0	0.525	0.634	1.577	24.41		20.83
	0.371		26.0	18.75	7.25	0.371	0.448	2.232	6.32		14.51
	0.263	3	31.6	18.4	13.2	0.263	0.317	3.154	11.51		3.00
	0.185	4	20.4	19.4	1.0	0.185	0.224	4.464	0.87		2.13
	0.131	6	19.8	19.4	.4	0.131	0.158	6.329	0.35		1.78
	0.093	8	20.75	20.7	.05	0.093	0.112	8.928	0.04	98.25	1.74
	0.065	10	19.5	19.2	.3	0.065			0.26		1.48
	PAN		22.4	21.0	1.4	PAN			1.22		0.26
TOTAL ON SCREENS AND PAN					114.4	LOSS			10.26		0.00
LOSS (BY DIFFERENCE)					.3	TOTAL			99.99		
TOTAL SAMPLE WEIGHT					114.7						

\* NUMBERS IN PARENTHESES SHOULD BE USED WHEN THESE SCREEN SIZES REPRESENT THE TOP OF THE SHALE SIZE RANGE.

REMARKS: \_\_\_\_\_

$\sum_{+8m}^m D_i$	272732	$\sum_{+8m}^m X_i$	
$1/\sum_{+8m}^m D_i$	1.54956	$\sum_{+8m}^m X_i / D_i$	
D <sub>a</sub>	0.63405	$\sum_{+8m}^m X_i D_i$	
D <sub>v</sub>	0.74027		

004505

FIELD NO.

1513022004

//A100  
2080, PTC1057 8-23-67

A. YIELDS

FAY	7.679E 01	DRYGAS	6.447E 03	MISTFA	5.479E-01
H2	3.030E 02	OTHER	1.289E 01	UNRETO	8.475E 00
CH4	1.032E 02	O2	3.868E 01	SSY	7.936E 01
CO	3.288E 02	CO2DEC	4.037E 01	MH2O	9.221E 01
CO2	1.779E 03	OILCOL	2.050E 01		

B. METERED GAS RATES

RECG	1.687E 04	DIL	0.0	WVENTG	6.807E 03
AIR	4.905E 03	TRECG	1.687E 04	TGF	0.0

C. MOL WT & HEATING VALUE OF VENT GAS

MWWG	2.846E 01	HVGT	5.674E 02	MWDG	3.106E 01
GBTU	8.801E 01				

D. COMBUSTION PRODUCTS

CO2C	4.942E 02	COC	3.126E 02	H2OC	3.276E 01
CHR	6.955E 00	COMBCP	1.060E 01		

E. MATERIAL IN

ORGCIN	2.414E 02	RSR	2.962E 02	ORH2IN	3.234E 01
MATIN	2.396E 03				

F. MATERIAL OUT

ORGCVG	4.128E 01	COKEC	3.157E 01	UNRETH	2.070E 00
ORGCOL	1.332E 02	ORH2VG	8.118E 00	COKEH	1.803E 00
UNRETC	1.746E 01	ORH2OL	1.757E 01	ORCOLP	5.517E 01
ORCVGP	1.710E 01	ORCSSP	2.031E 01	HCCVGP	6.505E 00

G. MATERIAL BALANCES

OVALL	9.845E 01	ORH2	9.143E 01	O2BAL	1.041E 02
ASH	0.0	TC	9.469E 01	WATER	1.219E 02
ORGC	9.258E 01	TH2	9.994E 01	GASL	1.245E 03
ASHB	-1.000E 00				

H. HEAT IN

QCOMB	4.489E 05	QH2OC	1.024E 04	QAIR	6.060E 03
QPROP	0.0	QOILC	1.108E 04	QRCYL	5.683E 04
QSUMIN	5.331E 05				

I. HEAT OUT

QMC02D	2.315E 05	QKEROD	8.824E 04	QH2OV	4.797E 04
QLIQQ	3.652E 03	QOFGAS	3.026E 04	QSS	8.487E 04
QGASL	6.190E 03	LBLOSS	0.0	HETLOS	4.043E 04
QSUMOT	5.331E 05				

J. MISCELLANEOUS

ORCSS	3.089E 00	VPOIL	1.752E-01	TGL	3.506E 03
VPM	1.183E 01	WCG	1.993E 01	PROP	0.0

END MESSAGE

END OUTPUT