TOTAL	**Crude**	BONNY LIGHT	TBP DISTILLATION
	Country	Nigeria	

Density at 15 °C, kg/m3	849.0
° API	35.09
Bbl/mt	7.42
Viscosity, cSt at 10 °C	8.7
Viscosity cst at 50°C	2.9
Pour Point, °C	-36.0
Wax content, wt%	
Wax Appearance Temp °C	
R V P at 37.8 °C, kPa	24.8
Water %vol	
BSW %vol	
NaCl mg/kg	
Sulphur, wt %	0.15
Mercaptan sulphur, mg/kg	2
Hydrogen sulphide, mg/kg	1
Acidity mg KOH/g	0.25
Nickel, mg/kg	3
Vanadium, mg/kg	0
Nitrogen, wt%	0.0980

Assay 31-Jan-11

	wt %	vol %
Ethane	0.02	0.05
Propane	0.21	0.35
Iso-Butane	0.28	0.42
n-Butane	0.61	0.89

°C	wt %	vol %	°C	wt %	vol %
015	1.12	1.37			
080	7.19	9.26			
150	20.19	23.80			
175	24.75	28.67			
230	35.42	39.65			
325	60.59	64.37			
350	66.13	69.63			
375	71.08	74.30			
550	92.43	93.68			
565	94.35	95.39			

PROPERTIES OF TBP CUTS

LIGHT NAPHTHA	Cut °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %	RSH %wt	RON clear	RON 0,15g/l	MON clear	MON 0,15g/l	Napht %vol	Aro %Vol	RVP kPa			Benz %vol
	15-65															
	15-80	6.07	7.89	653	0.0005		77.3	83.8	76.0	82.6		2.1				2.1
HEAVY NAPHTHA	Cuts °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %						Napht %vol	Aro %vol				
	80-150	13.00	14.54	759	0.0032						54.5	10.4				
	80-175	17.56	19.41	768	0.0035						50.6	11.7				
	100-150	9.29	10.38	759	0.0032						50.6	11.5				
KEROSENE	Cuts °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %	RSH mg/kg	Smoke Point	Acid. mg/g	Cetane Calc	Freeze Pt °C	Naphtal. %vol	Aro. %vol	Saybolt Color	Visc cst 50 °C		Flash Point
	150-230	15.23	15.86	815	0.010		21		34.0	-65.0		15.5				
	175-230	10.67	10.98	825	0.012				36.0							
	150-250	20.53	21.06	828	0.036				34.0							
GASOIL	Cuts °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %		Anilin Pt C	Cetane	Cetane Calc.	Cloud Pt °C	CFPP °C	Pour Pt °C	Visc cst 50 °C	Visc cst 100 °C	KUOP	Flash Point
	175-400	49.38	48.40	866	0.126				46.1	0	-1.8	-4				
	230-400	38.71	37.41	878	0.157				46.6	4	2.0	0				
	230-375	35.66	34.64	874	0.147				46.3	-5	-7.0	-9				
VACUUM DISTILLATE	Cuts °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %	Conrad wt %	Anilin Pt C	Ni mg/kg	V mg/kg	Total N wt %	Bas N wt%	Pour Pt C	Visco cSt 100 °C	Visc cst 150°C	KUOP	Asp. C7 %wt
	375-550	21.35	19.38	935	0.28	0.20				0.1700	0.0732				11.73	
	375-565	23.27	21.09	937	0.28											
	375-580															
	400-565	20.22	18.32	937	0.28											
RESIDUE	Cuts °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %	Conrad wt %	Asp C5 %wt	Ni mg/kg	V mg/kg	Total N wt %	Pene	Pour Pt °C	Visco cSt 100 °C	Visco cSt 150 °C		Asp. C7 wt %
	> 375	28.92	25.70	955	0.34							39	25	5		
	> 550	7.57	6.32	1017	0.52	16.0		65.1	4.7	0.7200		63	1973	119		0.3
	> 565	5.65	4.61	1041	0.60							65	3514	175		
	> 580															

* estimated value

Total DTS/AM Feb-11

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