



Crude **BRASS RIVER**

Country Nigeria

TBP
DISTILLATION

Density at 15°C, kg/m3	841.5	Assay Date			01-May-18			°C	wt%	vol%	°C	wt%	vol%
°API	36.6							080	7.1	9.2	460	86.8	88.7
Bbl/mt	7.488							090	9.3	11.6	480	89.1	90.7
Acidity, mg KOH/g	0.28							100	11.8	14.5	500	91.0	92.4
Sulphur, wt%	0.13							120	16.8	20.0	520	92.7	93.9
Hydrogen Sulphide, mg/kg	1							140	21.1	24.6	540	94.2	95.1
Mercaptan Sulphur, mg/kg	2							160	25.5	29.3	560	95.4	96.2
Viscosity, cSt at 10 °C	4.8							180	29.5	33.6	580	96.4	97.0
Viscosity, cSt at 50 °C	2.3							200	33.3	37.4			
Pour Point, °C	-36							220	37.3	41.5			
Total Nitrogen, wt%	0.08							240	42.0	46.2			
Wax, wt%	-				wt% vol%			260	47.3	51.4			
Wax Appearance Temperature, °C	-							280	52.8	56.8			
RVP at 37.8 °C, kPa	-				Ethane			300	58.3	62.1			
Water, vol%	-				Propane			320	63.3	66.8			
NaCl, mg/kg	-				Iso-Butane			340	67.7	71.0			
Nickel, mg/kg	2.8				n-Butane			360	71.6	74.6			
Vanadium, mg/kg	0.4							380	75.1	78.0			
Iron, mg/kg	-							400	78.4	81.0			
Mercury, µg/kg	-							420	81.5	83.8			
								440	84.3	86.4			

PROPERTIES OF TBP CUTS

LIGHT NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH	RON	MON			Napht.	Aro.	RVP			
	°C	wt%	vol %	kg/m3	wt%	mg/kg	clear	clear			vol%	vol%	kPa			
	15-65	3.4	4.4	661	0.00	1	78.4	77.8			12.4	1.0	-			
	15-80	5.7	7.0	682	0.00	1	75.9	75.4			22.3	3.4	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	16.2	17.8	761	0.00	1					45.2	14.7				
80-175	21.5	23.4	770	0.00	1					42.3	16.1					
100-150	11.5	12.5	770	0.00	1					44.6	16.2					
KEROSENE	Cuts	Yield	Yield	Den 15°C	S	RSH	Smoke	Acidity	Cetane	Freez. Pt		Aro.	Visc cSt			Flash
	°C	wt%	vol %	kg/m3	wt%	mg/kg	Pt mm	mgKOH/g	Index	°C		vol%	50°C			Point
	150-230	16.3	16.8	814	0.01	1	19	0.02	34.3	-56		20.3	1.0			55.8
	175-230	11.0	11.2	823	0.02	1	18	0.02	35.6	-50		20.3	1.1			69.6
150-250	21.3	21.7	822	0.02	1	18	0.02	36.2	-50		20.7	1.1			59.3	
GASOIL	Cuts	Yield	Yield	Den 15°C	S		Anilin		Cetane	Cloud Pt	CFPP	Pour Pt	Visc cSt	Visc cSt	UOPK	Flash
	°C	wt%	vol %	kg/m3	wt%		Point °C		Index	C	C	C	50°C	100°C		Point
	175-400	49.8	48.5	864	0.12		65		44.1	-3	-7	-11	2.8	1.3	11.6	83.1
	230-400	38.9	37.3	876	0.15		68		46.1	1	-1	-2	4.0	1.6	11.6	105.2
230-375	34.7	33.4	873	0.14		67		45.3	-4	-6	-7	3.5	1.5	11.5	103.9	
VACUUM DISTILLATE	Cuts	Yield	Yield	Den 15°C	S	Conrad.	Anilin	Ni	Va	Total N	Bas N	Pour Pt	Visc cSt	Visc cSt	UOPK	Asp C7
	°C	wt%	vol %	kg/m3	wt%	wt%	Point °C	mg/kg	mg/kg	wt%	mg/kg	C	100°C	150°C		wt %
	375-550	20.5	18.5	931	0.24	0.3	82	0	0	0.15	663	45	9.9	3.4	11.7	0.0
	375-565	21.4	19.3	933	0.24	0.5	82	1	0	0.16	696	45	10.5	3.6	11.7	0.0
	375-580	22.1	19.9	934	0.25	0.6	82	1	0	0.17	730	46	11.2	3.8	11.7	0.1
400-580	18.0	16.0	942	0.26	0.8	83	1	0	0.19	813	50	14.6	4.5	11.7	0.1	
RESIDUE	Cuts	Yield	Yield	Den 15°C	S	Conrad.	Acidity	Ni	Va	Total N		Pour Pt	Visc cSt	Visc cSt	Pene	Asp C7
	°C	wt%	vol %	kg/m3	wt%	wt%	mgKOH/g	mg/kg	mg/kg	wt%		C	100°C	150°C	mm/10	wt%
	> 375	25.7	22.8	946	0.30	3.4	0.7	11	2	0.28		42	18	5	-	0.3
	> 550	5.2	4.3	1009	0.53	15.4	0.3	53	8	0.80		58	1090	73	93	1.2
	> 565	4.3	3.6	1015	0.56	17.7	0.3	61	9	0.89		59	2030	108	77	1.4
> 580	3.6	3.0	1021	0.59	20.2	0.2	71	11	0.99		60	4030	165	67	1.5	

This crude oil data sheet is for information purposes only. No guaranty is given as to its accuracy or as to any consequences arising from its use.

TOTAL DTS / AM

Oct-21