



Crude **N'KOSSA BLEND**

Country Congo

TBP
DISTILLATION

Density at 15°C, kg/m3	813.3	Assay Date	25-Aug-17		°C	wt%	vol%	°C	wt%	vol%
°API	42.4		080	9.1	11.6	460	75.9	78.9		
Bbl/mt	7.748	090	10.6	13.3	480	78.1	80.8			
Acidity, mg KOH/g	<0.05	100	12.3	15.2	500	80.2	82.8			
Sulphur, wt%	0.041	120	16.5	19.9	520	82.3	84.7			
Hydrogen Sulphide, mg/kg	0	140	21.4	25.2	540	84.3	86.5			
Mercaptan Sulphur, mg/kg	1	160	26.2	30.2	560	86.3	88.2			
Viscosity, cSt at 10 °C	13	180	30.0	34.3	580	88.1	89.8			
50 °C	3	200	33.7	38.0						
Pour Point, °C	-3	220	37.5	41.9						
Total Nitrogen, wt%	0.024	240	41.5	46.0						
Wax, wt%	-	260	45.6	50.0						
Wax Appearance Temperature, °C	-	280	49.5	53.9						
RVP at 37.8 °C, kPa	29	300	53.1	57.4						
Water, vol%	-	320	56.4	60.5						
NaCl, mg/kg	-	340	59.7	63.7						
Nickel, mg/kg	3.6	360	63.3	67.1						
Vanadium, mg/kg	0.1	380	66.6	70.2						
Iron, mg/kg	-	400	69.3	72.7						
Mercury, µg/kg	-	420	71.6	74.9						
		440	73.7	76.9						

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	5.7	7.1	644	0.00	0	70.1	69.2			4.9	0.4	-			
	15-80	7.4	9.2	656	0.00	1	66.2	65.3			9.2	1.4	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	14.8	16.2	740	0.00	1					33.4	8.5				
80-175	20.0	21.7	748	0.00	1					32.9	9.6					
100-150	11.6	12.6	746	0.00	1					34.2	9.1					
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	15.6	16.1	786	0.01	0	30	0.01	46.6	-52		14.0	1.0			55.3
	175-230	10.4	10.6	794	0.01	0	29	0.01	48.7	-46		14.8	1.1			69.4
150-250	19.6	20.1	791	0.01	0	29	0.01	48.5	-47		14.3	1.0			58.4	
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	40.1	39.4	826	0.03		78		56.5	2	-1	-4	2.4	1.2	12.1	80.6
	230-400	29.8	28.8	839	0.04		82		61.5	7	6	6	3.5	1.6	12.1	105.1
230-375	26.4	25.6	836	0.03		81		60.9	2	1	1	3.1	1.4	12.1	103.6	
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	19.5	17.8	885	0.07	0.0	104	0	0	0.03	57	48	7.1	3.0	12.4	0.0
	375-565	20.9	19.1	887	0.07	0.1	105	0	0	0.03	66	49	7.5	3.2	12.4	0.0
	375-580	22.2	20.3	888	0.07	0.1	105	0	0	0.03	74	50	8.0	3.3	12.4	0.0
400-580	18.8	17.1	893	0.08	0.1	107	1	0	0.03	85	52	9.4	3.8	12.4	0.0	
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	34.2	30.5	908	0.09	3.0	0.1	10	0	0.02		39	18	6	-	0.4
	> 550	14.7	12.6	942	0.12	6.9	0.3	24	0	0.00		27	115	24	2540	0.8
	> 565	13.3	11.4	945	0.12	7.6	0.3	26	0	0.00		26	146	28	2200	0.9
> 580	11.9	10.2	949	0.12	8.4	0.3	29	1	0.00		25	190	33	1900	1.0	

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