



Crude **DJENO**

Country Congo

TBP
DISTILLATION

Density at 15°C, kg/m3	895.5	Assay Date	30-Jan-18	°C	wt%	vol%	°C	wt%	vol%
°API	26.4			080	2.7	3.9	460	55.4	59.5
Bbl/mt	7.036			090	3.2	4.5	480	58.6	62.5
Acidity, mg KOH/g	0.70			100	3.9	5.3	500	61.6	65.4
Sulphur, wt%	0.541			120	5.7	7.5	520	64.7	68.3
Hydrogen Sulphide, mg/kg	8.9*			140	8.0	10.2	540	67.6	71.1
Mercaptan Sulphur, mg/kg	97			160	10.2	12.9	560	70.5	73.8
Viscosity, cSt at 10 °C	131			180	12.3	15.2	580	73.3	76.4
Viscosity, cSt at 50 °C	20			200	14.5	17.6			
Pour Point, °C	-6			220	17.1	20.4			
Total Nitrogen, wt%	0.346			240	20.0	23.5			
Wax, wt%	-			260	23.1	26.9			
Wax Appearance Temperature, °C	-			280	26.3	30.3			
RVP at 37.8 °C, kPa	-	Ethane	0.02	0.05	300	29.7	33.8		
Water, vol%	-	Propane	0.22	0.38	320	33.0	37.2		
NaCl, mg/kg	-	Iso-Butane	0.13	0.21	340	36.3	40.6		
Nickel, mg/kg	47.0	n-Butane	0.43	0.65	360	39.6	43.9		
Vanadium, mg/kg	19.4				380	42.8	47.1		
Iron, mg/kg	-				400	46.0	50.3		
Mercury, µg/kg	-				420	49.2	53.4		
* Presence of H2S in crude. Simulated value.									
					440	52.3	56.4		

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	1.4	1.9	643	0.02	12	74.9	73.4			6.5	0.2	-			
	15-80	1.9	2.6	657	0.02	26	72.2	70.3			13.8	0.7	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	6.5	7.7	747	0.03	69					50.8	5.1				
80-175	9.1	10.7	758	0.04	67					50.7	6.9					
100-150	5.3	6.3	754	0.04	67					52.3	5.7					
KEROSENE	Cuts	Yield	Yield	Den 15°C	S	RSH	H2S	Smoke	Acidity	Cetane	Freez. Pt	Aro.	Visc cSt			Flash
	°C	wt%	vol %	kg/m3	wt%	mg/kg	mg/kg	Pt mm	mgKOH/g	Index	°C	vol%	50°C			Point
	150-230	9.3	10.3	807	0.10	78	11	21	0.13	38.6	-66	12.6	1.0			57.2
	175-230	6.7	7.4	815	0.11	84	8	21	0.14	39.1	-60	13.0	1.1			70.2
150-250	12.3	13.6	814	0.12	86		21	0.15	40.4	-60	13.6	1.1			60.9	
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	34.2	35.7	859	0.32		67		47.5	-6	-8	-11	3.0	1.4	11.7	85.6
	230-400	27.5	28.3	870	0.37		70		49.8	-3	-3	-3	4.1	1.8	11.7	107.2
230-375	23.5	24.4	865	0.35		69		49.5	-9	-9	-9	3.5	1.6	11.7	105.3	
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	27.1	26.2	925	0.58	0.2	85	1	0	0.22	788	38	10.8	4.1	11.9	0.0
	375-565	29.2	28.2	927	0.59	0.3	85	1	1	0.24	838	39	11.8	4.4	11.9	0.1
	375-580	31.3	30.1	929	0.60	0.4	86	2	1	0.25	887	40	12.8	4.7	11.9	0.1
400-580	27.3	26.2	933	0.62	0.5	87	2	1	0.28	970	42	15.7	5.4	11.9	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	58.0	53.7	966	0.77	9.5	1.0	81	34	0.59		21	90	19	-	2.2
	> 550	30.9	27.5	1005	0.94	17.7	1.0	152	63	0.91		62	2,180	185	61	4.1
	> 565	28.8	25.5	1009	0.95	18.8	1.0	162	67	0.94		66	3,260	245	46	4.4
> 580	26.7	23.6	1013	0.97	20.1	1.0	173	72	0.98		69	5,040	332	36	4.7	

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TOTAL DTS / AM

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