



Crude **DJENO**

Country Congo

TBP
DISTILLATION

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

* Presence of H2S in crude. Simulated value.

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	

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

Jun-18