TotalEnergies	**Crude** MANDJI **Country** Gabon	TBP DISTILLATION

Density at 15 °C, kg/m3	875.6
° API	30.01
Bbl/mt	7.20
Viscosity, cSt at 10 °C	210.0
Viscosity cst at 50°C	11.4
Pour Point, °C	3.0
Wax content, wt%	
Wax Appearance Temp °C	
R V P at 37.8 °C, kPa	38.0
Water %vol	
BSW %vol	
NaCl mg/kg	
Sulphur, wt %	1.00
Mercaptan sulphur, mg/kg	6
Hydrogen sulphide, mg/kg	<1
Acidity mg KOH/g	0.48
Nickel, mg/kg	51
Vanadium, mg/kg	35
Nitrogen, wt%	0.1900

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	wt %	vol %
Ethane	0.02	0.05
Propane	0.20	0.34
Iso-Butane	0.18	0.28
n-Butane	0.50	0.75

°C	wt %	vol %	°C	wt %	vol %
015	0.90	1.35			
080	4.47	6.05			
150	13.04	16.11			
175	15.91	19.33			
230	22.78	26.81			
325	37.30	42.02			
350	41.77	46.57			
375	46.16	50.96			
550	73.07	76.75			
565	75.40	78.84			

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	3.57	4.71	664	0.0020		72.2	79.6	69.8	77.3		1.4				0.9
HEAVY NAPHTHA	Cuts °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %						Napht %vol	Aro %vol				
	80-150	8.57	10.06	746	0.0069						43.2	6.4				
	80-175	11.44	13.28	754	0.0177						40.8	7.9				
	100-150	6.12	7.18	746	0.0069						40.8	7.6				
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	9.74	10.70	797	0.099	2	24		41.2	<-60		15.8				
	175-230	6.87	7.48	804	0.120				43.9	-55.0		16.5				
	150-250	12.80	13.90	806	0.164	2	22		42.1							
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	34.09	35.31	845	0.471				52.7	-8	-9.8	-12				
	230-400	27.22	27.83	857	0.560				53.1	-2	-4.0	-6				
	230-375	23.38	24.15	848	0.487				54.3	-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	26.91	25.80	913	1.00	1.29				0.1200	0.0394		8.77		12.04	
	375-565	29.24	27.88	918	1.01											
	375-580															
	400-565	25.40	24.20	919	1.02											
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	53.84	49.04	961	1.59							36	65	12		
	> 550	26.93	23.25	1014	2.17	16.8		213.8	144.4	0.5900		69	2165	142		4.7
	> 565	24.60	21.16	1018	2.26							72	3270	185		
	> 580															

* estimated value

Total DTS/AM Mar-10

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