



Crude

NIGERIAN FORCADOS

API

29,2

Location

NIGERIA

Sulphur

0,20

CRUDE OIL			YIELDS AND CHARACTERISTICS OF PRODUCTS											TBP Distillation		
			GAS	NAPHTHAS			KEROSENES		GASOILS		V.DIST.	RESIDUES				
TBP Range :			C1-C4	C5-80 [c]	80-160	80-180	160-230	180-230	230-370	370-400	370-530	370+	400+	530+	Cut Point	%m/m Cum
TBP Yield	%m/m		0,64	2,62	10,18	12,48	10,45	8,14	40,53	5,60	25,12	35,58	29,98	10,46		
TBP Yield	%v/v		1,00	3,39	11,64	14,15	11,07	8,56	40,24	5,33	23,53	32,89	27,56	9,36		
Density @15°C	Kg/l	0,8798	0,5604	0,6806	0,7693	0,7764	0,8311	0,8374	0,8861	0,9245	0,9393	0,9518	0,9571	0,9833	C1	0,00
API Gravity @ 60°F		29,2													C2	0,00
Viscosity @ 20°C	mm ² /s	11,11													C3	0,12
Viscosity @ 50°C	VBN						4,87	4,26	17,06	26,76	32,59	36,13	37,88	44,63	IC4	0,29
Sulphur	%m/m	0,20		0,0018	0,0036	0,0059	0,0298	0,0332	0,15	0,26	0,29	0,38	0,40	0,58	NC4	0,64
Mercaptan Sulphur	ppm	3		2		3		3							IC5	1,05
Hydrogen Sulphide	%m/m														NC5	1,47
Acidity	mgKOH/g	0,39					0,00	0,01	0,20	1,17	0,91				80	3,26
Paraffins	%v/v			69,8	31,1	31,3									100	5,66
Naphthenes	%v/v			27,6	54,9	53,6									120	8,07
Aromatics	%v/v			2,6	14,0	15,0	4,6	0,2							140	10,56
N+2A				32,8	82,9	83,7									160	13,43
Smoke Pt.	mm						20	19							180	15,74
Freezing Pt.	°C						-60	-55							210	19,90
Cloud Pt.	°C								-12	+24					230	23,89
Pour Pt.	°C	-6							-15	+24		+33	+36	+51	250	29,10
Cetane Index									42,2	47,8					270	36,06
Total Nitrogen	%m/m									0,078	0,13	0,22	0,25	0,43	290	42,26
Basic Nitrogen	ppm									412	577				320	52,76
Nickel	ppm	4									< 1 [c]	12	14	40	350	60,22
Vanadium	ppm	0,8									< 2 [c]	2	3	8	370	64,42
P. Value													>5	>5	400	70,02
Asphaltenes in NC7	%m/m	0,1										0,30	0,35	1,05	530	89,54
R.C.C.	%m/m	1,2									0,1	3,4	4,0	11,2	550	91,07
Penetration @ 25°C	dmm															
UOP K Factor		11,6									11,6	11,7	11,7			

[c] calculated value

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