



Crude OKONO **API** 40,6
Location NIGERIA **Sulphur** 0,07

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		1,42	5,45	20,68	25,88	17,61	12,41	35,08	4,56	16,58	19,77	15,21	3,19		
TBP Yield	%v/v		2,09	6,56	22,31	27,69	17,89	12,51	33,75	4,22	14,94	17,53	13,31	2,59		
Density @15°C	Kg/l	0,8218	0,5574	0,6826	0,7617	0,7680	0,8091	0,8153	0,8541	0,8892	0,9123	0,9270	0,9390	1,0117	C1	0,00
API Gravity @ 60°F		40,6													C2	0,00
Viscosity @ 20°C	mm ² /s	2,96													C3	0,33
Viscosity @ 50°C	VBN						3,95	5,21	15,61	25,11	30,06	32,21	34,34	43,38	IC4	0,74
Sulphur	%m/m	0,07		0,0010	0,0041	0,0060	0,0199	0,0223	0,08	0,13	0,15	0,18	0,20	0,37	NC4	1,42
Mercaptan Sulphur	ppm	3		1	4	1	2	1	0,5	2,7	9,439891327				IC5	2,26
Hydrogen Sulphide	%m/m														NC5	3,10
Acidity	mgKOH/g	0,20		0,02	0,02	0,02	0,02	0,03	0,11	0,30	0,61				80	6,87
Paraffins	%v/v			71,8	35,6	37,2									100	12,15
Naphthenes	%v/v			26,4	52,4	49,2									120	17,14
Aromatics	%v/v			1,8	12,0	13,6	13,8	11,0							140	22,55
N+2A				30,0	76,4	76,4									160	27,55
Smoke Pt.	mm						24	23							180	32,75
Freezing Pt.	°C						-55	-49							210	39,92
Cloud Pt.	°C								-1	+30					230	45,16
Pour Pt.	°C	+12							-3	+30					250	51,15
Cetane Index									54,4	63,9		+45	+48	+68	270	58,43
Total Nitrogen	%m/m									0,043	0,08	0,18	0,22	0,69	290	63,49
Basic Nitrogen	ppm									182	424	700	855	2130	320	71,49
Nickel	ppm	1									< 1 [c]	5	7	33	350	77,02
Vanadium	ppm	< 2									< 2 [c]	1	1	5	370	80,24
P. Value													>5		400	84,80
Asphaltenes in NC7	%m/m	0,1										0,40	0,50	2,35	530	96,82
R.C.C.	%m/m	0,4									0,2	1,8	2,3	10,3	550	97,41
Penetration @ 25°C	dmm															
UOP K Factor		11,8									11,9	11,8	11,8			

[c] calculated value

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