



Crude **BEKAPAI**

Country Indonesia

TBP
DISTILLATION

Density at 15°C, kg/m3	816.8	Assay Date	01-Mar-16	°C	wt%	vol%	°C	wt%	vol%
°API	41.7			080	12.0	15.5	460	90.4	92.1
Bbl/mt	7.715			090	14.1	17.8	480	92.0	93.5
Acidity, mg KOH/g	0.18			100	16.9	20.8	500	93.2	94.5
Sulphur, wt%	0.058			120	23.7	28.1	520	94.2	95.4
Hydrogen Sulphide, mg/kg	2			140	30.0	34.6	540	95.1	96.1
Mercaptan Sulphur, mg/kg	4			160	35.8	40.4	560	95.8	96.7
Viscosity, cSt at 10 °C	4.2			180	41.2	45.9	580	96.4	97.2
50 °C	1.9			200	45.3	50.0			
Pour Point, °C	3			220	50.3	54.9			
Total Nitrogen, wt%	0.019			240	56.2	60.6			
Wax, wt%	8.0			260	62.7	66.8			
Wax Appearance Temperature, °C	-			280	68.8	72.6			
RVP at 37.8 °C, kPa	52			300	73.2	76.7			
Water, vol%	-			320	75.5	78.8			
NaCl, mg/kg	-			340	76.7	79.9			
Nickel, mg/kg	0.1			360	78.0	81.1			
Vanadium, mg/kg	0.3			380	80.3	83.2			
Iron, mg/kg	-			400	83.2	85.8			
Mercury, µg/kg	-			420	86.0	88.3			
				440	88.4	90.4			

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	6.3	7.9	641	0.0017	3	86.4	80.8			2.6	0.1	168.03			
	15-80	8.3	10.2	659	0.0021	4	90.3	82.2			7.2	0.6	141.12			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	20.9	22.0	767	0.0079	6					37.6	11.7				
80-175	28.1	29.3	775	0.0097	6					38.8	12.4					
100-150	15.9	16.6	775	0.0089	6					39.3	13.5					
KEROSENE	Cuts	Yield	Yield	Den 15°C	S	RSH	Smoke	Acidity	Cetane	Freez. Pt		Aro.	Visc cSt			Flash
	°C	wt%	vol %	kg/m3	wt%	mg/kg	Pt mm	mgKOH/g	Index	°C		vol%	50°C			Point
	150-230	20.3	20.2	814	0.021	6	17	0.18	33.9	-53		14.1	1.2			55.1
	175-230	13.1	12.8	822	0.024	6	17	0.18	36.3	-46		13.9	1.4			70.1
150-250	26.6	26.2	820	0.026	6	17	0.18	36.8	-47		14.4	1.4			58.8	
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	43.1	41.0	850	0.062		66		44.9	-9	-12	-16	2.6	1.2	11.6	86.1
	230-400	30.1	28.2	863	0.078		70		47.6	-3	-4	-5	3.5	1.5	11.7	100.1
230-375	26.5	24.9	858	0.074		70		47.3	-10	-11	-11	3.2	1.4	11.6	98.9	
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	15.9	13.8	926	0.13	0.0	80	0	0	0.028	100	39	4.6	2.0	11.7	0.0
	375-565	16.4	14.3	928	0.13	0.1	80	0	0	0.029	107	39	4.7	2.0	11.7	0.0
	375-580	16.8	14.6	929	0.13	0.1	81	0	0	0.031	114	40	4.8	2.1	11.7	0.0
400-580	13.2	11.4	937	0.14	0.1	82	0	0	0.037	136	43	5.6	2.3	11.7	0.0	
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	20.4	17.4	946	0.16	2.0	0.2	1	1	0.079		48	8	3	-	0.1
	> 550	4.5	3.6	1021	0.27	8.9	0.2	2	6	0.260		57	162	25	275	0.4
	> 565	4.0	3.2	1027	0.28	9.9	0.2	3	7	0.282		59	244	33	175	0.5
> 580	3.6	2.8	1032	0.28	11.0	0.2	3	8	0.305		61	383	44	115	0.5	

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TOTAL DTS / AM

Jan-17