



Crude **BADAK**
Country **Indonesia**

TBP
DISTILLATION

Density at 15 °C, kg/m3 830.0 ° API 38.90 Bbl/mt 7.59 Viscosity, cSt at 10 °C 2.6 Viscosity cst at 50°C 1.4 Pour Point, °C 3.0 Wax content, wt% Wax Appearance Temp °C R V P at 37.8 °C, kPa Water %vol BSW %vol NaCl mg/kg Sulphur, wt % 0.06 Mercaptan sulphur, mg/kg 2 Hydrogen sulphide, mg/kg 0 Acidity mg KOH/g 0.10 Nickel, mg/kg 0 Vanadium, mg/kg 1 Nitrogen, wt% 0.0153	Assay 25-Feb-09	°C wt % vol % °C wt % vol %
		015 0.95 1.33 095 12.11 14.18 149 34.28 37.34 175 41.33 44.60 232 52.48 55.74 342 77.18 79.09 369 81.22 82.85 509 97.07 97.57 550 98.02 98.40 585 98.53 98.84
	Ethane 0.01 0.02 Propane 0.19 0.31 Iso-Butane 0.21 0.31 n-Butane 0.54 0.77	

PROPERTIES OF TBP CUTS

	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	
LIGHT NAPHTHA	15-65 15-80																13.0
		9.07	10.44	721	0.0002		76.3	82.9				13.0					
HEAVY NAPHTHA	80-150 80-175 100-150	24.53 31.31 20.39	25.85 32.83 21.29	788 792 795	0.0009 0.0009 0.0010						Napht %vol 34.9 34.4 34.4	Aro %vol 36.3 38.3 37.9					
KEROSENE	150-230 175-230 150-250	17.54 10.76 21.97	17.73 10.75 21.94	821 831 831	0.007 0.011 0.021		Smoke Point 16	Acid. mg/g 31.9 33.9 32.7	Cetane Calc -60.0	Freeze Pt °C	Naphtal. %vol 33.0	Aro. %vol	Saybolt Color	Visc cst 50 °C		Flash Point	
GASOIL	175-400 230-400 230-375	43.40 32.64 29.81	41.51 30.76 28.13	868 881 879	0.075 0.096 0.094		Anilin Pt C	Cetane Calc 45.7 46.0 44.7	Cetane Calc 6 12 5	Cloud Pt °C	CFPP °C	Pour Pt °C	Visc cst 50 °C	Visc cst 100 °C	KUOP	Flash Point	
VACUUM DISTILLATE	375-550 375-565 375-580 400-565	16.12 16.34 16.56 13.51	14.92 15.11 15.29 12.48	897 898 899 898	0.12 0.12 0.12 0.12	Conrad wt % 0.19	Anilin Pt C	Ni mg/kg	V mg/kg	Total N wt % 0.0448	Bas N wt% 0.0173	Pour Pt C	Visco cSt 100 °C	Visc cst 150°C	KUOP	Asp. C7 %wt 12.29	
RESIDUE	> 375 > 550 > 565 > 580	18.10 1.98 1.76 1.54	16.52 1.60 1.41 1.22	909 1030 1037 1045	0.14 0.33 0.34 0.36	Conrad wt % 14.4	Asp C5 %wt	Ni mg/kg 16.0	V mg/kg 47.0	Total N wt % 0.2980	Pene	Pour Pt °C 46 104 114	Visco cSt 100 °C 7 43947 177137	Visc cst 150 °C 3 692 1543		Asp. C7 wt % 5.2	

* estimated value

Total DTS/AM

Dec-10

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