

		Crude	GRYPHON				TBP DISTILLATION							
		Country	United Kingdom											
Density at 15°C, kg/m3	917.2	Assay Date	18-Dec-08			°C	wt%	vol%	°C	wt%	vol%			
°API	22.68					080	0.4	0.5	400	49.3	51.0			
Bbl/mt	6.87					140	1.3	1.6	450	59.7	61.4			
Viscosity, cSt at	10 °C	190.400				150	1.7	2.1	475	64.5	66.1			
	37.8 °C					160	2.2	2.6	500	69.2	70.8			
	50 °C	24				180	3.4	4.0	525	74.0	75.4			
Pour Point, °C	-39.0					200	5.3	6.1	550	78.9	80.1			
Paraffins wt%						220	7.8	8.7	565	82.0	83.0			
Wax Appearance Temperature °C						240	11.0	12.1	580	84.9	85.8			
RVP at 37.8 °C, kPa	24.6*					250	12.9	14.0						
Water vol%						260	14.9	16.1						
RVP at 37.8 °C, kPa					%Pds	%Vol	300	24.3	25.7					
NaCl mg/kg							310	26.8	28.3					
Sulphur wt%	0.4				Ethane	0.00	0.00	320	29.4	30.9				
Mercaptan Sulphur, mg/kg	11.0				Propane	0.00	0.00	330	32.0	33.6				
Hydrogen Sulphide, mg/kg	<1				Iso-Butane	0.00	0.00	340	34.7	36.2				
Acidity, mg KOH/g	3.9				n-Butane	0.01	0.02	350	37.2	38.8				
Nickel, mg/kg	1.1							360	39.8	41.4				
Vanadium, mg/kg	3.4							370	42.3	43.9				
								380	44.7	46.4				
								390	47.0	48.7				

PROPERTIES OF TBP CUTS																
LIGHT NAPHTHA	Cuts °C	Yield wt%	Yield vol %	Den 15°C kg/m3	S wt%	RSH mg/kg	RON clear	RON 0,15 g/l	MON clear	MON 0,15 g/l	Napht vol%	Aro vol%	RVP kPa			
	15-65															
	15-80	0.4	0.4	734	0.00		77.0	83.5	74.00	81.20		1.4				
HEAVY NAPHTHA	Cuts °C	Yield wt%	Yield vol %	Den 15°C kg/m3	S wt%	RSH mg/kg					Napht vol%	Aro vol%				
	80-150	1.3	1.5	780	0.01						71.1	4.1				
	80-175	2.7	3.2	797	0.01						62.2	6.5				
	100-150	1.0	1.2	784	0.02											
KEROSENE	Cuts °C	Yield wt%	Yield vol %	Den 15°C kg/m3	S wt%	RSH mg/kg	Smoke Point	Acidity mg/g	Cetane calc	Freeze Pt °C	Naphta vol%	Aro vol%	Saybolt Color	Visc cSt 50°C		Flash Point
	150-230	7.7	8.3	846	0.13		20	0.28		-60		16.2				
	175-230	6.2	6.7	854	0.14											
	150-250	11.2	12.0	857	0.14											
GASOIL	Cuts °C	Yield wt%	Yield vol %	Den 15°C kg/m3	S wt%	Acidity mg/g	Anilin Point °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	46.2	47.3	896	0.22				38.1	-59	-61	-63				
	230-400	39.9	40.6	902	0.25				40.4	-59	-61	-63				
	230-375	34.1	34.8	901	0.22	3			39.1	-60	-62	-64				
VACUUM DISTILLATE	Cuts °C	Yield wt%	Yield vol %	Den 15°C kg/m3	S wt%	Conrad. wt%	Acidity mg/g	Ni mg/kg	V mg/kg	Total N wt%	Bas N mg/kg	Pour Pt C	Visc cSt 100°C	Visc cSt 150°C	KUOP	Asp C7 wt %
	375-550	35.4	35.0	930	0.42	0.2				0.12	0				11.8	
	375-565	38.5	37.8	933	0.44		5									
	375-580	41.4	40.6	934	0.75											
	400-580	35.6	34.8	938	0.82											
RESIDUE	Cuts °C	Yield wt%	Yield vol %	Den 15°C kg/m3	S wt%	Conrad. wt%	Acidity mg/g	Ni mg/kg	V mg/kg	Total N wt%	Pene	Pour Pt C	Visc cSt 100°C	Visc cSt 150°C		Asp C7 wt%
	> 375	56.5	54.9	945	0.55		3.9					-6*	33			
	> 550	21.1	19.9	971	0.76	9.5				0.47		34*	342			0.5
	> 565	18.0	17.0	971	0.79								442			
	> 580	15.1	14.3	974												

* Estimated value

TOTAL DTS / AM

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