

		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					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	Yield	Yield	Den 15°C	S	RSH	RON	RON	MON	MON	Napht	Aro	RVP				
	°C	wt%	vol %	kg/m3	wt%	mg/kg	clear	0,15 g/l	clear	0,15 g/l	vol%	vol%	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	Yield	Yield	Den 15°C	S	RSH					Napht	Aro.					
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	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	Yield	Yield	Den 15°C	S	RSH	Smoke	Acidity	Cetane	Freeze Pt	Naphta	Aro.	Saybolt	Visc cSt		Flash	
	°C	wt%	vol %	kg/m3	wt%	mg/kg	Point	mg/g	calc	°C	vol%	vol%	Color	50°C		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	Yield	Yield	Den 15°C	S	Acidity	Anilin	Cetane	Cetane	Cloud Pt	CFPP	Pour Pt	Visc cSt	Visc cSt	KUOP	Flash	
	°C	wt%	vol %	kg/m3	wt%	mg/g	Point °C	calc	calc	C	C	C	50°C	100°C		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	Yield	Yield	Den 15°C	S	Conrad.	Acidity	Ni	V	Total N	Bas N	Pour Pt	Visc cSt	Visc cSt	KUOP	Asp C7	
	°C	wt%	vol %	kg/m3	wt%	wt%	mg/g	mg/kg	mg/kg	wt%	mg/kg	C	100°C	150°C		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	Yield	Yield	Den 15°C	S	Conrad.	Acidity	Ni	V	Total N	Pene	Pour Pt	Visc cSt	Visc cSt		Asp C7	
	°C	wt%	vol %	kg/m3	wt%	wt%	mg/g	mg/kg	mg/kg	wt%		C	100°C	150°C		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

Apr-09

This crude oil data sheet is for information purposes only. No guaranty is given as to its accuracy or as to any consequences arising from its use.

TOTAL DTS / AM