

		Crude Country			MURBAN United Arab Emirates			TBP DISTILLATION							
Density at 15°C, kg/m3		822.4		Assay Date			07-Aug-13			°C	wt%	vol%	°C	wt%	vol%
°API		40.5								080	8.09	10.36	460	80.91	83.54
Bbl/mt		7.660								090	9.54	12.05	480	83.49	85.87
Acidity, mg KOH/g		0.05								100	11.19	13.94	500	85.78	87.92
Sulphur, wt%		0.743								120	15.06	18.27	520	87.79	89.70
Hydrogen Sulphide, mg/kg		0								140	19.48	23.11	540	89.53	91.24
Mercaptan Sulphur, mg/kg		56								160	24.15	28.11	560	91.04	92.56
Viscosity, cSt at 10 °C		6.5								180	28.80	33.01	580	92.36	93.71
50 °C		2.5								200	33.37	37.77			
Pour Point, °C		-9								220	37.90	42.43			
Total Nitrogen, wt%		0.042								240	42.34	46.93			
Wax, wt%		-		wt%			vol%			260	46.50	51.09			
Wax Appearance Temperature, °C		-								280	50.32	54.85			
RVP at 37.8 °C, kPa		39		Ethane			0.00 0.01			300	54.08	58.49			
Water, vol%		-		Propane			0.17 0.28			320	58.22	62.45			
NaCl, mg/kg		-		Iso-Butane			0.19 0.28			340	62.69	66.68			
Nickel, mg/kg		1.6		n-Butane			0.69 0.97			360	65.76	69.57			
Vanadium, mg/kg		2.4								380	68.46	72.10			
Iron, mg/kg		-								400	71.62	75.04			
Mercury, µg/kg		-								420	74.89	78.06			
										440	78.03	80.93			

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	5.22	6.66	644	0.0187	15	70.3	69.9			5.0	0.5	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	13.71	15.25	739	0.0179	74					21.8	13.2				
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	18.34	19.10	789	0.045	57	25	0.01	45.0	-55		20.1	1.0			-
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	43.97	43.24	836	0.613		70		51.9	-4	-7	-10	2.3	1.1	11.9	-
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	22.58	20.50	906	1.38	0.2	92	0	0	0.070	196	42	7.0	2.9	12.1	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	32.26	28.57	928	1.61	4.4	0.1	5	7	0.124		36	15	5	76800	0.5
	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%
	> 550	9.68	8.07	986	2.15	13.9	0.4	17	24	0.248		27	197	32	1600	1.6
	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%
	> 565	8.61	7.13	992	2.21	15.4	0.4	19	27	0.260		26	266	39	1380	1.8
	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%
	> 580	7.64	6.29	998	2.26	16.9	0.4	21	30	0.272		25	368	48	1200	1.9

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TOTAL DTS / AM

Aug-13