Barrow Island - Summary of Major Cuts

	Whole crude	Light Naphtha	Medium Naphtha	Heavy Naphtha	Kero	Atm Gas Oil	Light VGO	Heavy VGO	Vacuum Resid	Atm Resid
TBP Temp at Start ∞C		10	80	150	200	260	340	430	570	340
TBP Temp at End ∞C		80	150	200	260	340	430	570	end	end
TBP Temp at Start ∞F		55	175	300	400	500	650	800	1050	650
TBP Temp at End ∞F		175	300	400	500	650	800	1050	end	end
Yield at Start vol%		1.4	7.6	27.2	43.9	61.1	81.3	91.2	98.9	81.3
Yield at End vol%		7.6	27.2	43.9	61.1	81.3	91.2	98.9	100	100
Yield of Cut (wt% of Crude)		5	17.8	15.9	17.7	21.5	10.9	8.8	1.4	21.1
Yield of Cut (vol% of Crude)		6.2	19.6	16.7	17.2	20.2	9.9	7.7	1.1	18.7
Gravity, ∞API	37.7	79.1	55.3	45.8	33.8	27.8	21.4	15.9	7.7	18.2
Specific Gravity	0.8363	0.6718	0.7577	0.7979	0.8559	0.8885	0.9252	0.9601	1.0164	0.945
Sulphur, wt%	0.05	0.003	0.004	0.007	0.02	0.04	0.1	0.19	0.34	0.15
Mercaptan Sulphur, ppm		9	2	2	2					
Nitrogen, ppm	320					30	280	2600	3800	1500
Hydrogen, wt%		16	14.7	15.1	13.9	13.2	12.4	11.6		
Viscosity @ 40∞C (104∞F) cST	1.9			1.01	1.9	4.55	26.7	290		
Viscosity @ 50∞C (122∞F) cST	1.64			0.873	1.56	3.53	17.9	150	3.34E+05	82.5
Viscosity @ 100∞C (212∞F) cST				0.498	0.752	1.41	4.48	17.6	2160	13.4
Viscosity @ 135∞C (275∞F) cST							2.43	7.24	350	6.16
Freeze Point, ∞C				<-70	-60	-31				
Freeze Point, ∞F				<-90	-76	-23				
Pour Point, ∞C	-54			<-70	-66	-36	-2	22	56	8
Pour Point, ∞F	-65			<-90	-86	-33	30	70	135	45
Smoke Point, mm (ASTM)				22	16					
Aniline Point, ∞C				52	53	54	67	83	90	75
Aniline Point, ∞F				125	127	130	152	182	194	167
Total Acid Number, mg KOH/g	0.1		0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.08
Cetane Index, ASTM D976				33	35	40				
Diesel Index				57	43	36				
Characterisation Factor (K Factor)	11.7		11.6	11.7	11.3	11.3	11.4	11.5	11.7	11.6
Research Octane Number, Clear		74.9	60.2	41.2						
Motor Octane Number, Clear		71.4	58.4							
Paraffins, vol%		78.1	37.7	45.7	41.6					
Naphthenes, vol%		21.9	58	42	39.5					
Aromatics, vol%		0	4.3	12.3	18.9					
Molecular Weight	168	98	110	142	168	209	285	406	566	328
Gross Heating Value, MM BTU/bbl	5.77	4.89	5.35	5.57	5.85	6.01	6.18	6.34	6.57	6.28
Gross Heating Value, kcal/kg	10970	11550	11210	11080	10860	10730	10590	10480	10250	10530
Gross Heating Value, MJ/kg	45.9	48.3	46.9	46.4	45.5	44.9	44.3	43.9	42.9	44.1
Heptane Asphaltenes, wt%	<.1								1.9	0.1
Micro Carbon Residue, wt%	0.4								29.6	1.9
Ramsbottom Carbon wt%	0.36								27	1.7
Vanadium, ppm	<.1								1	0.1
Nickel, ppm	2								110	7