

Crude Monitor.ca Mini-Assay Program

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Crude Name: Smiley-Coleville (SC)
Sample Location: Kerrobert, SK
Assay Month: November 2006

Whole Crude		Naphtha (IBP to 190oC)	
Density (kg/m3):	931.2	Density (kg/m3):	708.2
API gravity (oAPI):	20.32	API gravity (oAPI):	68.13
Sulphur (wt%):	2.94	Sulphur (wt%):	0.07
Nitrogen (mass ppm):	1809.1	Nitrogen (mass ppm):	
		Mass % recovery:	14.97
		Volume % recovery:	19.59
		Distillate (190 to 343oC)	
		Density (kg/m3):	883.1
		API gravity (oAPI):	28.59
		Sulphur (wt%):	1.32
		Nitrogen (mass ppm):	26.8
		Mass % recovery:	17.22
		Volume % recovery:	18.08
		Gas Oil (343 to 527oC)	
		Density (kg/m3):	955.1
		API gravity (oAPI):	16.53
		Sulphur (wt%):	2.80
		Nitrogen (mass ppm):	1089.5
		Mass % recovery:	25.62
		Volume % recovery:	24.86
		Residuum (527oC+)	
		Density (kg/m3):	1043.4
		API gravity (oAPI):	4.00
		Sulphur (wt%):	4.58
		Nitrogen (mass ppm):	3489.7
		Viscosity (cSt at 100oC):	18,500
		Mass % recovery:	42.19
		Volume % recovery:	37.47

Temperature conversion

Centigrade	Fahrenheit
190	375
343	650
527	980

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