

Crude Monitor.ca Mini-Assay Program

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Crude Name: CNRL Light Sweet Synthetic (CNS)

Sample Location: Hardisty, AB

Assay Month: April 2010

Whole Crude		Naphtha (IBP to 190oC)	
Density (kg/m3):	850.3	Density (kg/m3):	737.2
API gravity (oAPI):	34.77	API gravity (oAPI):	60.29
Sulphur (wt%):	0.051	Sulphur (wt%):	<0.005
Nitrogen (mass ppm):	292.6	Nitrogen (mass ppm):	
		Mass % recovery:	22.66
		Volume % recovery:	26.11
		Distillate (190 to 343oC)	
		Density (kg/m3):	871.5
		API gravity (oAPI):	30.71
		Sulphur (wt%):	0.024
		Nitrogen (mass ppm):	44.8
		Mass % recovery:	52.64
		Volume % recovery:	51.30
		Gas Oil (343 to 527oC)	
		Density (kg/m3):	929.0
		API gravity (oAPI):	20.68
		Sulphur (wt%):	0.192
		Nitrogen (mass ppm):	1104.8
		Mass % recovery:	24.70
		Volume % recovery:	22.59
		Residuum (527oC+)	
			N/A
		Density (kg/m3):	
		API gravity (oAPI):	
		Sulphur (wt%):	
		Nitrogen (mass ppm):	
		Viscosity (cSt at 100oC):	
		Mass % recovery:	
		Volume % recovery:	

Temperature conversion

Centigrade	Fahrenheit
190	375
343	650
527	980

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