

Crude Monitor.ca Mini-Assay Program

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Crude Name: Mixed Sour Blend (SO, MSO)

Sample Location: Hardisty, AB

Assay Month: June 2006

Whole Crude		Naphtha (IBP to 190oC)	
Density (kg/m3):	870.6	Density (kg/m3):	718.7
API gravity (oAPI):	30.88	API gravity (oAPI):	65.22
Sulphur (wt%):	1.794	Sulphur (wt%):	0.063
Nitrogen (mass ppm):	1565.8	Nitrogen (mass ppm):	
		Mass % recovery:	19.51
		Volume % recovery:	23.67
		Distillate (190 to 343oC)	
		Density (kg/m3):	860.1
		API gravity (oAPI):	32.88
		Sulphur (wt%):	0.743
		Nitrogen (mass ppm):	30.1
		Mass % recovery:	38.11
		Volume % recovery:	38.63
		Gas Oil (343 to 527oC)	
		Density (kg/m3):	931.0
		API gravity (oAPI):	20.36
		Sulphur (wt%):	1.772
		Nitrogen (mass ppm):	708.7
		Mass % recovery:	18.83
		Volume % recovery:	17.64
		Residuum (527oC+)	
		Density (kg/m3):	1023.7
		API gravity (oAPI):	6.60
		Sulphur (wt%):	3.972
		Nitrogen (mass ppm):	5737.1
		Viscosity (cSt at 100oC):	3,503
		Mass % recovery:	23.55
		Volume % recovery:	20.06

Temperature conversion

Centigrade	Fahrenheit
190	375
343	650
527	980

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