

Crude Monitor.ca Mini-Assay Program

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Crude Name: Low Sulphur Sour, SLE
Sample Location: Edmonton, AB
Assay Month: October 2009

Whole Crude		Naphtha (IBP to 190oC)	
Density (kg/m3):	823.8	Density (kg/m3):	715.9
API gravity (oAPI):	40.12	API gravity (oAPI):	65.99
Sulphur (wt%):	0.994	Sulphur (wt%):	0.055
Nitrogen (mass ppm):	759.6	Nitrogen (mass ppm):	
		Mass % recovery:	37.71
		Volume % recovery:	43.41
		Distillate (190 to 343oC)	
		Density (kg/m3):	843.5
		API gravity (oAPI):	36.11
		Sulphur (wt%):	0.544
		Nitrogen (mass ppm):	40.8
		Mass % recovery:	24.54
		Volume % recovery:	23.98
		Gas Oil (343 to 527oC)	
		Density (kg/m3):	913.0
		API gravity (oAPI):	23.35
		Sulphur (wt%):	1.327
		Nitrogen (mass ppm):	878.7
		Mass % recovery:	22.13
		Volume % recovery:	19.98
		Residuum (527oC+)	
		Density (kg/m3):	1019.1
		API gravity (oAPI):	7.23
		Sulphur (wt%):	3.166
		Nitrogen (mass ppm):	3222.1
		Viscosity (cSt at 100oC):	1,095
		Mass % recovery:	15.62
		Volume % recovery:	12.63

Temperature conversion

Centigrade	Fahrenheit
190	375
343	650
527	980

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