

## Crude Monitor.ca Mini-Assay Program

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**Crude Name:** Cold Lake (CL)  
**Sample Location:** Hardisty, AB  
**Assay Month:** March 2006

Whole Crude		Naphtha (IBP to 190oC)	
Density (kg/m3):	924.0	Density (kg/m3):	694.0
API gravity (oAPI):	21.51	API gravity (oAPI):	72.21
Sulphur (wt%):	3.54	Sulphur (wt%):	0.10
Nitrogen (mass ppm):	2576.4	Nitrogen (mass ppm):	
		Mass % recovery:	19.67
		Volume % recovery:	25.88
Temperature conversion		Distillate (190 to 343oC)	
Centigrade	Fahrenheit	Density (kg/m3):	882.9
190	375	API gravity (oAPI):	28.62
343	650	Sulphur (wt%):	1.60
527	980	Nitrogen (mass ppm):	77.8
		Mass % recovery:	14.62
		Volume % recovery:	15.12
		Gas Oil (343 to 527oC)	
		Density (kg/m3):	956.6
		API gravity (oAPI):	16.30
		Sulphur (wt%):	3.22
		Nitrogen (mass ppm):	1044.0
		Mass % recovery:	22.61
		Volume % recovery:	21.58
		Residuum (527oC+)	
		Density (kg/m3):	1051.6
		API gravity (oAPI):	2.94
		Sulphur (wt%):	6.18
		Nitrogen (mass ppm):	3692.2
		Viscosity (cSt at 100oC):	53,220
		Mass % recovery:	43.10
		Volume % recovery:	37.42

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