

Crude Monitor.ca Mini-Assay Program

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Crude Name: Midale (MSM, M)
Sample Location: Cromer, MB
Assay Month: November 2006

Whole Crude	
Density (kg/m3):	878.2
API gravity (oAPI):	29.48
Sulphur (wt%):	2.32
Nitrogen (mass ppm):	1153.2

Temperature conversion	
Centigrade	Fahrenheit
190	375
343	650
527	980

Naphtha (IBP to 190oC)

Density (kg/m3):	735.2
API gravity (oAPI):	60.81
Sulphur (wt%):	0.08
Nitrogen (mass ppm):	
Mass % recovery:	24.25
Volume % recovery:	28.94

Distillate (190 to 343oC)

Density (kg/m3):	850.1
API gravity (oAPI):	34.81
Sulphur (wt%):	1.38
Nitrogen (mass ppm):	76.8
Mass % recovery:	24.63
Volume % recovery:	25.41

Gas Oil (343 to 527oC)

Density (kg/m3):	932.7
API gravity (oAPI):	20.08
Sulphur (wt%):	2.79
Nitrogen (mass ppm):	889.2
Mass % recovery:	25.81
Volume % recovery:	24.28

Residuuum (527oC+)

Density (kg/m3):	1038.8
API gravity (oAPI):	4.60
Sulphur (wt%):	4.71
Nitrogen (mass ppm):	3350.5
Viscosity (cSt at 100oC):	3,360
Mass % recovery:	25.31
Volume % recovery:	21.37

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