

## Crude Monitor.ca Mini-Assay Program

[www.crudemonitor.ca](http://www.crudemonitor.ca)

**Crude Name:** Albian Heavy Synthetic (AHS)

**Sample Location:** Edmonton, Alberta

**Assay Month:** March 2007

| <b>Whole Crude</b>   |        | <b>Naphtha (IBP to 190oC)</b>    |        |
|----------------------|--------|----------------------------------|--------|
| Density (kg/m3):     | 937.8  | Density (kg/m3):                 | 707.7  |
| API gravity (oAPI):  | 19.26  | API gravity (oAPI):              | 68.27  |
| Sulphur (wt%):       | 2.51   | Sulphur (wt%):                   | 0.04   |
| Nitrogen (mass ppm): | 2016.1 | Nitrogen (mass ppm):             |        |
|                      |        | Mass % recovery:                 | 16.97  |
|                      |        | Volume % recovery:               | 22.45  |
|                      |        | <b>Distillate (190 to 343oC)</b> |        |
|                      |        | Density (kg/m3):                 | 876.0  |
|                      |        | API gravity (oAPI):              | 29.88  |
|                      |        | Sulphur (wt%):                   | 1.27   |
|                      |        | Nitrogen (mass ppm):             | 88.2   |
|                      |        | Mass % recovery:                 | 11.88  |
|                      |        | Volume % recovery:               | 12.70  |
|                      |        | <b>Gas Oil (343 to 527oC)</b>    |        |
|                      |        | Density (kg/m3):                 | 973.7  |
|                      |        | API gravity (oAPI):              | 13.70  |
|                      |        | Sulphur (wt%):                   | 2.19   |
|                      |        | Nitrogen (mass ppm):             | 2197.2 |
|                      |        | Mass % recovery:                 | 30.83  |
|                      |        | Volume % recovery:               | 29.66  |
|                      |        | <b>Residuum (527oC+)</b>         |        |
|                      |        | Density (kg/m3):                 | 1073.4 |
|                      |        | API gravity (oAPI):              | 0.21   |
|                      |        | Sulphur (wt%):                   | 4.11   |
|                      |        | Nitrogen (mass ppm):             | 3303.0 |
|                      |        | Viscosity (cSt at 100oC):        | 11,714 |
|                      |        | Mass % recovery:                 | 40.32  |
|                      |        | Volume % recovery:               | 35.19  |

### Temperature conversion

| Centigrade | Fahrenheit |
|------------|------------|
| 190        | 375        |
| 343        | 650        |
| 527        | 980        |

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