

Crude Monitor.ca Mini-Assay Program

www.crudemonitor.ca

Crude Name: Albian Heavy Synthetic, AHS

Sample Location: Edmonton, AB

Assay Month: September 2009

| Whole Crude | | Naphtha (IBP to 190oC) | |
|----------------------|--------|----------------------------------|--------|
| Density (kg/m3): | 939.4 | Density (kg/m3): | 699.4 |
| API gravity (oAPI): | 19.00 | API gravity (oAPI): | 70.64 |
| Sulphur (wt%): | 2.441 | Sulphur (wt%): | 0.036 |
| Nitrogen (mass ppm): | 3611.4 | Nitrogen (mass ppm): | |
| | | Mass % recovery: | 17.10 |
| | | Volume % recovery: | 23.03 |
| | | Distillate (190 to 343oC) | |
| | | Density (kg/m3): | 883.4 |
| | | API gravity (oAPI): | 28.53 |
| | | Sulphur (wt%): | 1.288 |
| | | Nitrogen (mass ppm): | 223.6 |
| | | Mass % recovery: | 9.64 |
| | | Volume % recovery: | 10.27 |
| | | Gas Oil (343 to 527oC) | |
| | | Density (kg/m3): | 975.1 |
| | | API gravity (oAPI): | 13.49 |
| | | Sulphur (wt%): | 1.973 |
| | | Nitrogen (mass ppm): | 2863.8 |
| | | Mass % recovery: | 32.08 |
| | | Volume % recovery: | 30.98 |
| | | Residuum (527oC+) | |
| | | Density (kg/m3): | 1085.1 |
| | | API gravity (oAPI): | |
| | | Sulphur (wt%): | 4.016 |
| | | Nitrogen (mass ppm): | 6018.2 |
| | | Viscosity (cSt at 100oC): | 8,806 |
| | | Mass % recovery: | 41.18 |
| | | Volume % recovery: | 35.72 |

Temperature conversion

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

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