

## Crude Monitor.ca Mini-Assay Program

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

**Crude Name:** Syncrude Synthetic (SYN)  
**Sample Location:** Edmonton, AB  
**Assay Month:** February 2009

| Whole Crude          |       | Naphtha (IBP to 190oC)    |        |
|----------------------|-------|---------------------------|--------|
| Density (kg/m3):     | 860.3 | Density (kg/m3):          | 732.1  |
| API gravity (oAPI):  | 32.84 | API gravity (oAPI):       | 61.62  |
| Sulphur (wt%):       | 0.171 | Sulphur (wt%):            | 0.003  |
| Nitrogen (mass ppm): | 620.3 | Nitrogen (mass ppm):      |        |
|                      |       | Mass % recovery:          | 18.80  |
|                      |       | Volume % recovery:        | 22.07  |
|                      |       | Distillate (190 to 343oC) |        |
|                      |       | Density (kg/m3):          | 861.3  |
|                      |       | API gravity (oAPI):       | 32.63  |
|                      |       | Sulphur (wt%):            | 0.020  |
|                      |       | Nitrogen (mass ppm):      | 80.4   |
|                      |       | Mass % recovery:          | 39.24  |
|                      |       | Volume % recovery:        | 39.15  |
|                      |       | Gas Oil (343 to 527oC)    |        |
|                      |       | Density (kg/m3):          | 929.6  |
|                      |       | API gravity (oAPI):       | 20.59  |
|                      |       | Sulphur (wt%):            | 0.404  |
|                      |       | Nitrogen (mass ppm):      | 1294.6 |
|                      |       | Mass % recovery:          | 41.96  |
|                      |       | Volume % recovery:        | 38.78  |
|                      |       | Residuum (527oC+)         |        |
|                      |       | Density (kg/m3):          |        |
|                      |       | API gravity (oAPI):       |        |
|                      |       | Sulphur (wt%):            |        |
|                      |       | Nitrogen (mass ppm):      |        |
|                      |       | Viscosity (cSt at 100oC): |        |
|                      |       | Mass % recovery:          |        |
|                      |       | Volume % recovery:        |        |

### Temperature conversion

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

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