

Crude Monitor.ca Mini-Assay Program

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Crude Name: SHE, High Sulphur Sour
Sample Location: Edmonton
Assay Month: June 2009

| Whole Crude | | Naphtha (IBP to 190oC) | |
|----------------------|-------|----------------------------------|---------|
| Density (kg/m3): | 833.4 | Density (kg/m3): | 719.1 |
| API gravity (oAPI): | 38.14 | API gravity (oAPI): | 65.11 |
| Sulphur (wt%): | 1.15 | Sulphur (wt%): | 0.038 |
| Nitrogen (mass ppm): | 756.9 | Nitrogen (mass ppm): | |
| | | Mass % recovery: | 35.69 |
| | | Volume % recovery: | 41.23 |
| | | Distillate (190 to 343oC) | |
| | | Density (kg/m3): | 844.9 |
| | | API gravity (oAPI): | 35.84 |
| | | Sulphur (wt%): | 0.587 |
| | | Nitrogen (mass ppm): | 36.3 |
| | | Mass % recovery: | 24.29 |
| | | Volume % recovery: | 23.88 |
| | | Gas Oil (343 to 527oC) | |
| | | Density (kg/m3): | 919.9 |
| | | API gravity (oAPI): | 22.19 |
| | | Sulphur (wt%): | 1.491 |
| | | Nitrogen (mass ppm): | 758.3 |
| | | Mass % recovery: | 23.18 |
| | | Volume % recovery: | 20.93 |
| | | Residuum (527oC+) | |
| | | Density (kg/m3): | 1001.9 |
| | | API gravity (oAPI): | 9.60 |
| | | Sulphur (wt%): | 3.497 |
| | | Nitrogen (mass ppm): | 3148.7 |
| | | Viscosity (cSt at 100oC): | 1,108.0 |
| | | Mass % recovery: | 16.84 |
| | | Volume % recovery: | 13.96 |

Temperature conversion

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

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