

# TECHNICAL DATA SHEET

## LIBYAN BREGA



### Specifications

|   |               |                   |
|---|---------------|-------------------|
| Density @ 15°C g/ml                     | 0.8131        | IP 365/D4052      |
| Specific Gravity @ 60° F                | 0.8135        | Calculation       |
| API Gravity @ 60° F                     | 42.44         | Calculation       |
| Characterization Factor                 | 12.2          | Calculation       |
| Total Sulphur % wt.                     | 0.22          | IP 336/D4294      |
| Mercaptan Sulphur ppm wt.               | 44            | IP342Mod/D3227Mod |
| Total Nitrogen % wt.                    | 0.09          | IP379Mod/D4629Mod |
| Pour Point °C (°F)                      | -9 (+16)      | IP 15/D97         |
| Viscosity @ 70°F, cSt                   | 5.293         | IP 71/D445        |
| Viscosity @ 100°F, cSt                  | 2.696         | IP 71/D445        |
| Vanadium ppm wt.                        | 0.8           | IP 377 Mod        |
| Nickel ppm wt.                          | 0.5           | IP 377 Mod        |
| Sodium ppm wt.                          | 2.5           | IP 377 Mod        |
| Calcium ppm wt.                         | 1.5           | IP 377 Mod        |
| Potassium ppm. Wt.                      | 0.3           | IP 377 Mod        |
| Conradson Carbon % wt.                  | 1.50          | IP 13/D189        |
| Asphaltenes % wt.                       | 0.16          | IP 143            |
| n-Heptane insolubles % wt.              | 0.41          | D893              |
| Reid Vapour Pressure KPa (psi)          | 54 (7.8)      | IP 69/D323        |
| Flash point °C (°F)                     | < -20 (< -4)  | IP 170            |
| Hydrogen Sulphide ppm wt.               | <1            | IP PM-BJ          |
| Neutralization Number, mg KOH/g         | 0.09          | IP 177/D664       |
| Bottom, Sediment and Water % vol.       | <0.05         | IP 359/D4007      |
| Ash content % wt.                       | <0.01         | IP 4/D482         |
| Salt (as NaCl) mg/liter (lbs/1000 bbls) | 22.0 (7.7)    | D3230             |
| Methane % wt (% vol.)                   | <0.01 (<0.01) | IP 344            |
| Ethane % wt (% vol.)                    | 0.04 (0.08)   | IP 344            |
| Propane % wt (% vol.)                   | 0.40 (0.65)   | IP 344            |
| Iso-Butane % wt (% vol.)                | 0.44 (0.63)   | IP 344            |
| n-Butane % wt (% vol.)                  | 1.46 (2.04)   | IP 344            |
| Iso-Pentane % wt (% vol.)               | 1.37 (1.79)   | IP 344            |
| n-Pentane % wt (% vol.)                 | 1.72 (2.22)   | IP 344            |
| Cyclo-Pentane % wt (% vol.)             | 0.17 (0.18)   | IP 344            |

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