

NATIONAL PIER OIL COMPANY
RESEARCH INSTITUTE OF PETROLEUM INDUSTRY
CRUDE OIL AND PETROLEUM PRODUCTS EVALUATION DEPARTMENT

FRZ420 CrudeOil General Data

TABLE 2: TBP DISTILLATION ANALYSIS (ASTM D2892 & ASTM D5236)

| Frac. No. | Boiling Range, °C | Yield, wt.% | Cumulative Yield, wt.% | Sp.Gr. @ 15.56/15.56 °C | Yield, vol.% | Cumulative Yield, vol.% |
|-----------|-------------------|-------------|------------------------|-------------------------|--------------|-------------------------|
| 1 | IBP-15 | 0.71 | 0.71 | 0.5696 | 1.09 | 1.09 |
| 2 | 15-65 | 3.84 | 4.55 | 0.6501 | 5.16 | 6.25 |
| 3 | 65-100 | 4.32 | 8.87 | 0.7062 | 5.35 | 11.60 |
| 4 | 100-125 | 3.34 | 12.21 | 0.7360 | 3.97 | 15.57 |
| 5 | 125-150 | 3.92 | 16.13 | 0.7592 | 4.51 | 20.08 |
| 6 | 150-175 | 3.93 | 20.06 | 0.7754 | 4.43 | 24.51 |
| 7 | 175-200 | 4.09 | 24.15 | 0.7886 | 4.53 | 29.04 |
| 8 | 200-225 | 4.12 | 28.27 | 0.8048 | 4.47 | 33.51 |
| 9 | 225-250 | 3.92 | 32.19 | 0.8192 | 4.18 | 37.69 |
| 10 | 250-275 | 3.86 | 36.05 | 0.8366 | 4.03 | 41.72 |
| 11 | 275-300 | 3.84 | 39.89 | 0.8520 | 3.94 | 45.66 |
| 12 | 300-325 | 3.96 | 43.85 | 0.8621 | 4.01 | 49.67 |
| 13 | 325-350 | 3.84 | 47.69 | 0.8805 | 3.81 | 53.48 |
| 14 | 350-385 | 5.15 | 52.84 | 0.8979 | 5.01 | 58.49 |
| 15 | 385-425 | 5.93 | 58.77 | 0.9219 | 5.62 | 64.11 |
| 16 | 425-450 | 3.52 | 62.29 | 0.9356 | 3.29 | 67.40 |
| 17 | 450-475 | 3.51 | 65.80 | 0.9452 | 3.25 | 70.65 |
| 18 | 475-500 | 3.77 | 69.57 | 0.9685 | 3.40 | 74.05 |
| 19 | 500-530 | 3.73 | 73.30 | 0.9714 | 3.36 | 77.41 |
| 20 | 530-565 | 4.22 | 77.52 | 0.9795 | 3.76 | 81.17 |
| 21 | 565+ | 22.48 | 100.00 | 1.0432 | 18.83 | 100.00 |