



Crude **CONDENSATE SNOHVIT**

Country Norway

TBP
DISTILLATION

| | | | | | | | | | |
|--------------------------------|-------|------------|-----------|-----|-------|-------|-----|-------|-------|
| Density at 15°C, kg/m3 | 724.8 | Assay Date | 24-Aug-18 | °C | wt% | vol% | °C | wt% | vol% |
| °API | 63.7 | | | 080 | 35.3 | 38.8 | 460 | 100.0 | 100.0 |
| Bbl/mt | 8.698 | | | 090 | 43.1 | 46.6 | 480 | 100.0 | 100.0 |
| Acidity, mg KOH/g | 0.01 | | | 100 | 51.1 | 54.4 | 500 | 100.0 | 100.0 |
| Sulphur, wt% | 0.01 | | | 120 | 62.7 | 65.7 | 520 | 100.0 | 100.0 |
| Hydrogen Sulphide, mg/kg | 3 | | | 140 | 71.9 | 74.4 | 540 | 100.0 | 100.0 |
| Mercaptan Sulphur, mg/kg | 8 | | | 160 | 79.7 | 81.7 | 560 | 100.0 | 100.0 |
| Viscosity, cSt at 10 °C | 0.7 | | | 180 | 85.6 | 87.2 | 580 | 100.0 | 100.0 |
| 50 °C | 0.5 | | | 200 | 89.9 | 91.0 | | | |
| Pour Point, °C | -55 | | | 220 | 92.9 | 93.8 | | | |
| Total Nitrogen, wt% | 0.00 | | | 240 | 95.2 | 95.8 | | | |
| Wax, wt% | - | | | 260 | 96.8 | 97.3 | | | |
| Wax Appearance Temperature, °C | - | | | 280 | 98.0 | 98.3 | | | |
| RVP at 37.8 °C, kPa | 46 | | | 300 | 98.8 | 98.9 | | | |
| Water, vol% | - | | | 320 | 99.3 | 99.4 | | | |
| NaCl, mg/kg | - | | | 340 | 99.6 | 99.6 | | | |
| Nickel, mg/kg | 0.0 | | | 360 | 99.8 | 99.8 | | | |
| Vanadium, mg/kg | 0.0 | | | 380 | 99.9 | 99.9 | | | |
| Iron, mg/kg | - | | | 400 | 99.9 | 99.9 | | | |
| Mercury, µg/kg | - | | | 420 | 100.0 | 100.0 | | | |
| | | | | 440 | 100.0 | 100.0 | | | |

PROPERTIES OF TBP CUTS

| LIGHT NAPHTHA | Cuts | Yield | Yield | Den 15°C | S | RSH | RON | MON | | | Napht. | Aro. | RVP | | | |
|-------------------|---------|-------|-------|----------|------|---------|----------|---------|--------|-----------|--------|---------|----------|----------|-------|--------|
| | °C | wt% | vol % | kg/m3 | wt% | mg/kg | clear | clear | | | vol% | vol% | kPa | | | |
| | 15-65 | 24.8 | 27.8 | 644 | 0.00 | 8 | 76.1 | 75.4 | | | 2.8 | 0.1 | - | | | |
| | 15-80 | 33.9 | 37.0 | 660 | 0.00 | 8 | 73.0 | 72.2 | | | 7.9 | 0.9 | - | | | |
| HEAVY NAPHTHA | Cuts | Yield | Yield | Den 15°C | S | RSH | | | | | Napht. | Aro. | | | | |
| | °C | wt% | vol % | kg/m3 | wt% | mg/kg | | | | | vol% | vol% | | | | |
| | 80-150 | 40.8 | 39.5 | 746 | 0.00 | 3 | | | | | 33.5 | 17.7 | | | | |
| 80-175 | 49.1 | 47.2 | 751 | 0.00 | 3 | | | | | 32.7 | 18.0 | | | | | |
| 100-150 | 25.0 | 23.8 | 756 | 0.00 | 3 | | | | | 33.9 | 22.1 | | | | | |
| KEROSENE | Cuts | Yield | Yield | Den 15°C | S | RSH | Smoke | Acidity | Cetane | Freez. Pt | | Aro. | Visc cSt | | | Flash |
| | °C | wt% | vol % | kg/m3 | wt% | mg/kg | Pt mm | mgKOH/g | Index | °C | | vol% | 50°C | | | Point |
| | 150-230 | 18.1 | 16.6 | 785 | 0.01 | 2 | 25 | 0.07 | 42.5 | -60 | | 18.6 | 0.9 | | | 51.8 |
| | 175-230 | 9.8 | 8.9 | 793 | 0.01 | 2 | 24 | 0.09 | 46.4 | -53 | | 18.0 | 1.1 | | | 66.7 |
| 150-250 | 20.0 | 18.3 | 788 | 0.01 | 2 | 25 | 0.07 | 43.2 | -57 | | 18.7 | 0.9 | | | 52.9 | |
| GASOIL | Cuts | Yield | Yield | Den 15°C | S | | Anilin | | Cetane | Cloud Pt | CFPP | Pour Pt | Visc cSt | Visc cSt | UOPK | Flash |
| | °C | wt% | vol % | kg/m3 | wt% | | Point °C | | Index | C | C | C | 50°C | 100°C | | Point |
| | 175-400 | 15.6 | 14.0 | 805 | 0.04 | | 67 | | 48.9 | -35 | -39 | -44 | 1.4 | 0.8 | 12.0 | 71.7 |
| | 230-400 | 5.8 | 5.0 | 827 | 0.08 | | 74 | | 56.8 | -20 | -22 | -24 | 2.2 | 1.2 | 12.0 | 107.3 |
| 230-375 | 5.7 | 5.0 | 826 | 0.08 | | 74 | | 56.7 | -21 | -23 | -25 | 2.2 | 1.2 | 12.0 | 107.2 | |
| VACUUM DISTILLATE | Cuts | Yield | Yield | Den 15°C | S | Conrad. | Anilin | Ni | Va | Total N | Bas N | Pour Pt | Visc cSt | Visc cSt | UOPK | Asp C7 |
| | °C | wt% | vol % | kg/m3 | wt% | wt% | Point °C | mg/kg | mg/kg | wt% | mg/kg | C | 100°C | 150°C | | wt % |
| | 375-550 | 0.1 | 0.1 | 864 | 0.14 | 0.0 | 82 | 0 | 0 | 0.03 | 73 | 15 | 4.7 | 2.1 | 12.4 | 0.0 |
| | 375-565 | 0.2 | 0.1 | 864 | 0.14 | 0.0 | 82 | 0 | 0 | 0.03 | 73 | 15 | 4.7 | 2.1 | 12.4 | 0.0 |
| | 375-580 | 0.2 | 0.1 | 864 | 0.14 | 0.0 | 82 | 0 | 0 | 0.03 | 73 | 15 | 4.7 | 2.1 | 12.4 | 0.0 |
| 400-580 | 0.1 | 0.1 | 871 | 0.14 | 0.1 | 83 | 0 | 0 | 0.03 | 89 | 20 | 6.3 | 2.7 | 12.4 | 0.0 | |
| RESIDUE | Cuts | Yield | Yield | Den 15°C | S | Conrad. | Acidity | Ni | Va | Total N | | Pour Pt | Visc cSt | Visc cSt | Pene | Asp C7 |
| | °C | wt% | vol % | kg/m3 | wt% | wt% | mgKOH/g | mg/kg | mg/kg | wt% | | C | 100°C | 150°C | mm/10 | wt% |
| | > 375 | 0.2 | 0.1 | 865 | 0.14 | 0.0 | 0.0 | 0 | 0 | 0.03 | | 8 | 5 | 2 | - | 0.0 |
| | > 550 | 0.0 | 0.0 | 927 | 0.23 | 5.5 | 0.1 | 0 | 0 | 0.12 | | 33 | 98 | 18 | 2040 | 1.5 |
| | > 565 | 0.0 | 0.0 | 931 | 0.23 | 7.0 | 0.2 | 0 | 1 | 0.12 | | 35 | 110 | 20 | 1610 | 2.4 |
| > 580 | 0.0 | 0.0 | 938 | 0.23 | 8.8 | 0.2 | 1 | 1 | 0.12 | | 37 | 131 | 22 | 1210 | 3.7 | |

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