**Product Column Feed @TPL2 Properties Table 3.0.1**

|  |  |
| --- | --- |
| Vapour Fraction | 0.135 |
| Temperature | 260.0 C |
| Pressure | 349.5 kPa |
| Molar Flow | 2513.457 kgmole/h |
| Mass Flow | 593411.05 kg/h |
| Liquid Volume Flow | 758.973 m3/h |
| Heat Flow | -820141423.379 kJ/h |

**Product Column Feed @TPL2 Components Table 3.0.1**

|  |  |
| --- | --- |
| n-C30 | 0.1655 |
| n-C20 | 0.3862 |
| n-Decane | 0.3861 |
| n-Butane | 0.0132 |
| H2S | 0.0101 |
| Hydrogen | 0.0012 |
| Thiophene | 0.0014 |
| DEAmine | 0.0 |
| CO2 | 0.0065 |
| H2O | 0.0298 |

**Sour Gases @TPL2 Properties Table 3.1.1**

|  |  |
| --- | --- |
| Vapour Fraction | 1.0 |
| Temperature | 139.783 C |
| Pressure | 300.0 kPa |
| Molar Flow | 180.658 kgmole/h |
| Mass Flow | 8629.696 kg/h |
| Liquid Volume Flow | 12.071 m3/h |
| Heat Flow | -33178045.801 kJ/h |

**Sour Gases @TPL2 Components Table 3.1.1**

|  |  |
| --- | --- |
| n-C30 | 0.0 |
| n-C20 | 0.0 |
| n-Decane | 0.1348 |
| n-Butane | 0.1836 |
| H2S | 0.1406 |
| Hydrogen | 0.0172 |
| Thiophene | 0.02 |
| DEAmine | 0.0 |
| CO2 | 0.0899 |
| H2O | 0.4139 |

**Hot C10+ @TPL2 Properties Table 3.2.1**

|  |  |
| --- | --- |
| Vapour Fraction | 0.0 |
| Temperature | 286.258 C |
| Pressure | 345.0 kPa |
| Molar Flow | 2332.799 kgmole/h |
| Mass Flow | 584781.511 kg/h |
| Liquid Volume Flow | 747.25 m3/h |
| Heat Flow | -747759192.134 kJ/h |

**Hot C10+ @TPL2 Components Table 3.2.1**

|  |  |
| --- | --- |
| n-C30 | 0.1783 |
| n-C20 | 0.4161 |
| n-Decane | 0.4055 |
| n-Butane | 0.0 |
| H2S | 0.0 |
| Hydrogen | 0.0 |
| Thiophene | 0.0 |
| DEAmine | 0.0 |
| CO2 | 0.0 |
| H2O | 0.0001 |

**C10+ @TPL2 Properties Table 3.3.1**

|  |  |
| --- | --- |
| Vapour Fraction | 0.0 |
| Temperature | 94.235 C |
| Pressure | 344.5 kPa |
| Molar Flow | 2332.799 kgmole/h |
| Mass Flow | 584781.511 kg/h |
| Liquid Volume Flow | 747.25 m3/h |
| Heat Flow | -1057755950.133 kJ/h |

**C10+ @TPL2 Components Table 3.3.1**

|  |  |
| --- | --- |
| n-C30 | 0.1783 |
| n-C20 | 0.4161 |
| n-Decane | 0.4055 |
| n-Butane | 0.0 |
| H2S | 0.0 |
| Hydrogen | 0.0 |
| Thiophene | 0.0 |
| DEAmine | 0.0 |
| CO2 | 0.0 |
| H2O | 0.0001 |

**Product Column Feed - @TPL2 Properties Table 3.4.1**

|  |  |
| --- | --- |
| Vapour Fraction | 0.137 |
| Temperature | 259.906 C |
| Pressure | 345.0 kPa |
| Molar Flow | 2513.457 kgmole/h |
| Mass Flow | 593411.05 kg/h |
| Liquid Volume Flow | 758.973 m3/h |
| Heat Flow | -820141423.379 kJ/h |

**Product Column Feed - @TPL2 Components Table 3.4.1**

|  |  |
| --- | --- |
| n-C30 | 0.1655 |
| n-C20 | 0.3862 |
| n-Decane | 0.3861 |
| n-Butane | 0.0132 |
| H2S | 0.0101 |
| Hydrogen | 0.0012 |
| Thiophene | 0.0014 |
| DEAmine | 0.0 |
| CO2 | 0.0065 |
| H2O | 0.0298 |

**Product to Pump @TPL2 Properties Table 3.5.1**

|  |  |
| --- | --- |
| Vapour Fraction | 0.0 |
| Temperature | 70.0 C |
| Pressure | 350.0 kPa |
| Molar Flow | 2513.457 kgmole/h |
| Mass Flow | 593411.05 kg/h |
| Liquid Volume Flow | 758.973 m3/h |
| Heat Flow | -1130138181.378 kJ/h |

**Product to Pump @TPL2 Components Table 3.5.1**

|  |  |
| --- | --- |
| n-C30 | 0.1655 |
| n-C20 | 0.3862 |
| n-Decane | 0.3861 |
| n-Butane | 0.0132 |
| H2S | 0.0101 |
| Hydrogen | 0.0012 |
| Thiophene | 0.0014 |
| DEAmine | 0.0 |
| CO2 | 0.0065 |
| H2O | 0.0298 |