



NTNU
Calgary, Alberta
CANADA

Case Name: M:\5kl\Projekt\Hysys\1_7\bareNG.hsc

Unit Set: SI

Date/Time: Mon Dec 01 11:09:07 2003

Workbook: Case (Main)

Material Streams

Name	28NG	1	20LCR	24SCR	6
Vapour Fraction	1.0000	0.0000 *	1.0000	1.0000	0.0000
Temperature (C)	8.000	8.000 *	8.000	8.000	-10.00
Pressure (kPa)	7000 *	2101	1640 *	5300 *	2101
Molar Flow (kgmole/h)	4.628e+004	1.661e+004 *	0.0000	0.0000	1.091e+004 *
Mass Flow (kg/h)	8.000e+005 *	5.671e+005	0.0000 *	0.0000 *	3.725e+005
Liquid Volume Flow (m3/h)	2588	1416	0.0000	0.0000	930.3
Heat Flow (kJ/h)	-3.619e+009	-1.726e+009	0.0000	0.0000	-1.155e+009
Name	2	4	29	25	21
Vapour Fraction	0.0000	0.0216	1.0000	1.0000	1.0000
Temperature (C)	-10.00	-12.60 *	-10.00 *	-10.00	-10.00
Pressure (kPa)	2101	1268	7000	5300	1640
Molar Flow (kgmole/h)	1.661e+004	5702	4.628e+004	0.0000	0.0000
Mass Flow (kg/h)	5.671e+005	1.946e+005	8.000e+005	0.0000	0.0000
Liquid Volume Flow (m3/h)	1416	486.1	2588	0.0000	0.0000
Heat Flow (kJ/h)	-1.759e+009	-6.036e+008	-3.663e+009	0.0000	0.0000
Name	7	9	10	5	17
Vapour Fraction	0.0000	0.0223	1.0000	1.0000	1.0000
Temperature (C)	-30.00	-33.00 *	-13.09	4.973	19.23
Pressure (kPa)	2101	709.6	709.6	1268	1268
Molar Flow (kgmole/h)	1.091e+004	5171	5171	5702	1.091e+004
Mass Flow (kg/h)	3.725e+005	1.765e+005	1.765e+005	1.946e+005	3.725e+005
Liquid Volume Flow (m3/h)	930.3	440.9	440.9	486.1	930.3
Heat Flow (kJ/h)	-1.176e+009	-5.572e+008	-4.815e+008	-5.281e+008	-1.000e+009
Name	18	19	30	22	26
Vapour Fraction	1.0000	1.0000	1.0000	0.0458	0.8196
Temperature (C)	14.34	40.96	-30.00 *	-30.00	-30.00
Pressure (kPa)	1268	2101	7000	1640	5300
Molar Flow (kgmole/h)	1.661e+004	1.661e+004	4.628e+004	0.0000	0.0000
Mass Flow (kg/h)	5.671e+005	5.671e+005	8.000e+005	0.0000	0.0000
Liquid Volume Flow (m3/h)	1416	1416	2588	0.0000	0.0000
Heat Flow (kJ/h)	-1.528e+009	-1.511e+009	-3.718e+009	0.0000	0.0000
Name	3	23	27	31	8
Vapour Fraction	0.0000	0.0000	0.3986	1.0000	0.0000
Temperature (C)	-10.00	-50.00	-50.00	-50.00 *	-30.00
Pressure (kPa)	2101	1640	5300	7000	2101
Molar Flow (kgmole/h)	5702	0.0000	0.0000	4.628e+004	5171
Mass Flow (kg/h)	1.946e+005	0.0000	0.0000	8.000e+005	1.765e+005
Liquid Volume Flow (m3/h)	486.1	0.0000	0.0000	2588	440.9
Heat Flow (kJ/h)	-6.036e+008	0.0000	0.0000	-3.797e+009	-5.572e+008
Name	11	12	13	14	16
Vapour Fraction	0.0000	0.0000	0.0194	1.0000	1.0000
Temperature (C)	-30.00	-50.00	-52.70 *	-33.22	-8.447
Pressure (kPa)	2101	2101	365.3	365.3	709.6
Molar Flow (kgmole/h)	5740 *	5740	5740	5740	1.091e+004
Mass Flow (kg/h)	1.960e+005	1.960e+005	1.960e+005	1.960e+005	3.725e+005
Liquid Volume Flow (m3/h)	489.4	489.4	489.4	489.4	930.3
Heat Flow (kJ/h)	-6.186e+008	-6.285e+008	-6.285e+008	-5.389e+008	-1.013e+009
Name	15				
Vapour Fraction	1.0000				
Temperature (C)	-4.289				
Pressure (kPa)	709.6				
Molar Flow (kgmole/h)	5740				
Mass Flow (kg/h)	1.960e+005				
Liquid Volume Flow (m3/h)	489.4				
Heat Flow (kJ/h)	-5.316e+008				