

Job Name: TEST

Licensed To: SPLM: Edit company name in <system>\company.txt

Sy

0.540709129

STRESSES EXTENDED REPORT: Stresses on Elements

CASE 5 (SUS) W+P1

Node	Axial Stress	Bending St	Torsion Str	Hoop Stress	KPa	Max Stress Intensity	SIF/Index I	SIF/Index C	Code Stress	KPa	Allowable Stress	KPa Ratio %	Piping Code
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Piping Code: B31.4 = B31.4 -2006, October 20, 2006

CODE STRESS CHECK PASSED : LOADCASE 5 (SUS) W+P1

Highest Stresses: ( KPa )

Ratio (%): 55.9 @Node 552  
 Code Stress: 145735.0 Allowable Stress: 260621.8  
 Axial Stress: 145112.0 @Node 557  
 Bending Stress: 13501.0 @Node 520  
 Torsion Stress: 0.0 @Node 528  
 Hoop Stress: 297682.4 @Node 557  
 Max Stress Intensity: 320824.1 @Node 557

510	0	0	0	0	0	0	0	0	0	0	0	0	B31.4
520	0	0	0	0	0	0	0	0	0	0	0	0	B31.4
520	96287.6	13501	0	199943.4	223175.3	1	1	109788.6	260621.8	42.1	B31.4		
528	96287.6	4686.6	0	199943.4	223175.3	1	1	100974.2	260621.8	38.7	B31.4		
528	96287.6	8756.5	0	199943.4	223175.3	1.868	1.557	105044.2	260621.8	40.3	B31.4		
529	96828.5	2504.1	0	199943.4	223175.3	1.868	1.557	99332.6	260621.8	38.1	B31.4		
529	96828.5	2504.1	0	199943.4	223175.3	1.868	1.557	99332.6	260621.8	38.1	B31.4		
530	97022.7	0	0	199943.4	223175.3	1.868	1.557	97022.7	260621.8	37.2	B31.4		
530	97022.7	0	0	199943.4	223175.3	1	1	97022.7	260621.8	37.2	B31.4		
540	96938.3	0	0	199943.4	223175.3	1	1	96938.3	260621.8	37.2	B31.4		
540	96938.3	0	0	199943.4	223175.3	1	1	96938.3	260621.8	37.2	B31.4		
540	96938.3	0	0	199943.4	223175.3	1	1	96938.3	260621.8	37.2	B31.4		
550	96745.1	0	0	199943.4	223175.3	1	1	96745.1	260621.8	37.1	B31.4		
550	96745.1	0	0	199943.4	223175.3	1	1	96745.1	260621.8	37.1	B31.4		
552	96712.2	0	0	199943.4	223175.3	2.1	2.466	96712.2	260621.8	37.1	B31.4		
552	145112	622.9	0	297682.4	320824.1	2.1	2.466	145735	260621.8	55.9	B31.4		
557	145112	0	0	297682.4	320824.1	1	1	145112	260621.8	55.7	B31.4		
552	145112	622.9	0	297682.4	320824.1	2.1	2.466	145735	260621.8	55.9	B31.4		
555	145112	0	0	297682.4	320824.1	1	1	145112	260621.8	55.7	B31.4		



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STRESSES EXTENDED REPORT: Stresses on Elements

CASE 6 (EXP) L6=L2-L5

Node      Axial Stress: Bending St   Torsion Str   Hoop Stress   Max Stress   SIF/Index I   SIF/Index C   Code   Stress: Allowable   † Ratio %   Piping Code

Piping Code: B31.4      = B31.4 -2006, October 20, 2006

CODE STRESS CHECK PASSED      : LOADCASE 6 (EXP) L6=L2-L5

Highest Stresses: ( KPa )

Ratio (%):            0.0      @Node 530  
 Code Stress:           0.0      Allowable Stress: 347495.8  
 Axial Stress:           0.0      @Node 530  
 Bending Stress:        0.0      @Node 530  
 Torsion Stress:        0.0      @Node 528  
 Hoop Stress:           0.0      @Node 520  
 Max Stress Intensity: 0.0      @Node 530

510	0	0	0	0	0	0	0	0	0	0	0 B31.4
520	0	0	0	0	0	0	0	0	0	0	0 B31.4
520	0	0	0	0	0	1	1	0	347495.8	0	0 B31.4
528	0	0	0	0	0	1	1	0	347495.8	0	0 B31.4
528	0	0	0	0	0	1.868	1.557	0	347495.8	0	0 B31.4
529	0	0	0	0	0	1.868	1.557	0	347495.8	0	0 B31.4
529	0	0	0	0	0	1.868	1.557	0	347495.8	0	0 B31.4
530	0	0	0	0	0	1.868	1.557	0	347495.8	0	0 B31.4
530	0	0	0	0	0	1	1	0	347495.8	0	0 B31.4
540	0	0	0	0	0	1	1	0	347495.8	0	0 B31.4
540	0	0	0	0	0	1	1	0	347495.8	0	0 B31.4
540	0	0	0	0	0	1	1	0	347495.8	0	0 B31.4
550	0	0	0	0	0	1	1	0	347495.8	0	0 B31.4
550	0	0	0	0	0	1	1	0	347495.8	0	0 B31.4
552	0	0	0	0	0	2.1	2.466	0	347495.8	0	0 B31.4
552	0	0	0	0	0	2.1	2.466	0	347495.8	0	0 B31.4
557	0	0	0	0	0	1	1	0	347495.8	0	0 B31.4
552	0	0	0	0	0	2.1	2.466	0	347495.8	0	0 B31.4
555	0	0	0	0	0	1	1	0	347495.8	0	0 B31.4



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CASE 7 (EXP) L7=L3-L5

Node      Axial Stress: Bending St   Torsion Str   Hoop Stress   Max Stress   SIF/Index I   SIF/Index C   Code Stress: Allowable   † Ratio %   Piping Code

Piping Code: B31.4      = B31.4 -2006, October 20, 2006

CODE STRESS CHECK PASSED      : LOADCASE 7 (EXP) L7=L3-L5

Highest Stresses: ( KPa )

Ratio (%):            0.0      @Node 530  
 Code Stress:           0.0      Allowable Stress: 347495.8  
 Axial Stress:           0.0      @Node 552  
 Bending Stress:        0.0      @Node 530  
 Torsion Stress:        0.0      @Node 557  
 Hoop Stress:           0.0      @Node 520  
 Max Stress Intensity: 0.0      @Node 530

510	0	0	0	0	0	0	0	0	0	0	0	B31.4
520	0	0	0	0	0	0	0	0	0	0	0	B31.4
520	0	0	0	0	0	1	1	0	347495.8	0	0	B31.4
528	0	0	0	0	0	1	1	0	347495.8	0	0	B31.4
528	0	0	0	0	0	1.868	1.557	0	347495.8	0	0	B31.4
529	0	0	0	0	0	1.868	1.557	0	347495.8	0	0	B31.4
529	0	0	0	0	0	1.868	1.557	0	347495.8	0	0	B31.4
530	0	0	0	0	0	1.868	1.557	0	347495.8	0	0	B31.4
530	0	0	0	0	0	1	1	0	347495.8	0	0	B31.4
540	0	0	0	0	0	1	1	0	347495.8	0	0	B31.4
540	0	0	0	0	0	1	1	0	347495.8	0	0	B31.4
540	0	0	0	0	0	1	1	0	347495.8	0	0	B31.4
550	0	0	0	0	0	1	1	0	347495.8	0	0	B31.4
550	0	0	0	0	0	1	1	0	347495.8	0	0	B31.4
552	0	0	0	0	0	2.1	2.466	0	347495.8	0	0	B31.4
552	0	0	0	0	0	2.1	2.466	0	347495.8	0	0	B31.4
557	0	0	0	0	0	1	1	0	347495.8	0	0	B31.4
552	0	0	0	0	0	2.1	2.466	0	347495.8	0	0	B31.4
555	0	0	0	0	0	1	1	0	347495.8	0	0	B31.4

