



TABLE 2.5
NOMINAL SHEAR STRESSES CALCULATED FROM SWEC TORSIOGRAPH TEST

Order	Amplitude of free-end rotation (degrees)		Amplitude of Nominal Shear Stress (psi)*	
	At 3500 kW	At 3800 kW	At 3500 kW	At 3800 kW
1.5	0.171	0.187	1635	1788
2.5	0.130	0.140	1243	1339
3.5	0.058	0.061	555	584
4.0	0.325	0.339	3108	3242
4.5	0.064	0.067	612	643
5.5	0.127	0.136	1214	1300
DEMA Allowable for 1 Single Order			5000	5000
1/2 peak to peak	0.693	0.719	6626	6875
DEMA Allowable 1/2 peak to peak			7000	7000

* Amplitude of nominal shear stress is calculated to be 9562 psi per degree of free-end rotational amplitude.

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