

FACTORS RELATING STRESS MEASURED AT  
SHOREHAM GAGE 13 to BLOCK TOP CRACK SITES

LOCATION - LOAD COMPONENT	UNCRACKED LIGAMENT	CRACKED LIGAMENT
Ligament Preload		
100% on liner 3 to 1	1.21	-
Thermal	2.94	-
Pressure	7.15	-
Stud-to-Stud Preload		
100% on liner 3 to 1	0.96	1.23
Thermal	1.99	2.05
Pressure	5.12	4.29

Additional relationships:

Good material/Poor material = 1.10

Cracked block/uncracked block = 1.26 Thermal

Cracked block/uncracked block = 1.06 Preload

Cracked block/uncracked block = 1.28 Pressure

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