

**PEERLESS METAL DURABILITY TEST  
COMPARATIVE ANALYSIS**

SAMPLE \_\_ S460 W

DATE \_\_\_\_ 9/25/2015

SUBMITTED BY \_\_\_\_ ND

TESTED BY CJ

SCREENING					
TEST	SPEC	SAMPLE		PEERLESS	
SIEVES	SAE	% RET	% CUM	%RET	%CUM
4					
5					
6					
7					
8					
10	All pass	0	0	0	0
12		4		5	
14		35		58	
16	85%min	45	84	27	90
18	96%min	13	97	10	100
20	pan	3	100	tr	
25					
30					
35					
40					
45					
50					
80					
120					
200					
325					
PAN					

DURABILITY COMPARISON 100% REPLACEMENT METHOD							
SAMPLE W				PEERLESS			
ACCUM PASSES	% REMAIN	% LOSS	ACCUM % LOSS	ACCUM PASSES	% REMAIN	% LOSSES	ACCUM LOSSES4
500	90	10	10	500	98	2	2
1000	90	10	20	1000	88	12	14
1500	84	16	36	1500	86	14	28
2000	87	13	49	2000	86	14	42
2500	82	18	67	2500	87	13	55
3000	83	17	84	3000	85	15	70
3500	71	29	113	3500	86	14	84
4000				4000	84	16	100
LIFE AT 100% REPLACEMENT = 3045				LIFE AT 100% REPLACEMENT = 4000			
SAMPLE HARDNESS__ 45.8				PEERLESS HARDNESS__ 44.2			