

CERTIFIED MATERIAL TEST REPORT
Hackney Ladish Inc.

P.O. Box 803466 - 5495 Beltline Rd. #290 - Dallas, TX 75254
Phone: (800) 527-4500 Fax: (214) 269-5601

Heat Code	Quantity	Description / Specifications
EH02WB		T 24" SW A/SA 234 - 01 WPBW (Welded) A516-70 154/2103068 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EH02WB	M	.200	.960	.012	.004	.190	.260	.070	.100	< .010	.0300

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EH02WB		< .010	.0007	<.0100	<.010	.013	<.002	<.001	<.050	.406

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EH02WB	82.0	T		50.9	32.0	70.0	143

Charpy Results