

CERTIFIED MATERIAL TEST REPORT  
Hackney Ladish Inc.

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Phone: (800) 527-4500 Fax: (214) 269-5601

Order Number: 4616

Date: 05/22/08

Sold to: PLESA ANAHUAC Y CIAS S. A. DE Ship to:  
VALLE DE LAS ALAMEDAS NO 66-0  
TULTITLAN MEX 54940

Heat Code Description / Specifications

Heat Code	Description / Specifications	Material	Condition	Standard
395ZN	14 X 8 STD ECC	A/SA 234 - 07	WPB	(SMLS)
	A106B MIW/9 A42704	NORM		NACE MR0175
A08YG	14 X 12 STD TEE	A/SA 234 - 07	WPB	(SMLS)
	TRI-56 61 977663	HOT FORMED		NACE MR0175
G07GTS	2-1/2 X 2 STD TEE	A/SA 234 - 07	WPB	(SMLS)
	TM60 55 21712	STRESS RELIEVED		NACE MR0175
L07RR1S	4 X 3 STD TEE	A/SA 234 - 07	WPB	(SMLS)
	TM60 55 23600	STRESS RELIEVED		NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
395ZN	M	.190	1.060	.008	.004	.190	.020	.040	.080	.030	
A08YG	M	.160	1.120	.019	.002	.170	.012	.070	.100	.030	.0190
G07GTS	M	.180	.740	.012	.001	.270	.043	.025	.040	.020	.0200
L07RR1S	M	.170	.740	.012	.001	.290	.065	.034	.050	.030	.0220

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
395ZN		.000	.0002	.0020	.001					.392
A08YG	.0062	.040								.386
G07GTS	.0035	.001	.0001	.0020	.001	.005				.320
L07RR1S	.0044	.001	.0001	.0030	.001	.006				.316

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
395ZN	75.0	L		59.5	37.0	75.0	141
A08YG	72.3	L		52.7	53.0		143
G07GTS	65.5	L		44.5	33.0		130
L07RR1S	69.0	L		48.5	34.0		153

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
395ZN						
A08YG						
G07GTS						
L07RR1S						

Test: M=Mill Product  
Type: L=Longitudinal

We certify that the material herein described has been manufactured in accordance with the above standards and specifications and satisfies all the requirements of the editions specified. We certify all materials provided comply with ISO 10204 paragraph. 3.1 which replaces type 3.1.B of the 1991 edition of EN 10204. Our ISO9001:2000 certificate number is CERT11763-2007-AQ-HOU-RVA/ANAB. We certify these fittings capable of passing hydrostatic test compatible with their rating. The above figures are correct as contained in the records of the Company. This information has been electronically transmitted to our customer.