

Oct. 4. 2006 11:47AM

No. 5334 P. 5

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

Order Number: 1989

Date: 10/04/06

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

Heat Code	Quantity	Description / Specifications
EC05NJS		2 X 1-1/2 STD TEE A/SA 234 - 04 WPB (SMLS)
		TM60 55/34105 STRESS RELIEVED NACE MR0175
B06HBS		5 X 3 STD TEE A/SA 234 - 05A WPB (SMLS)
		H60-NDE 7 S80341 STRESS RELIEVED NACE MR0175

- Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EC05NJS	M	.180	.780	.010	.002	.270	.070	.030	.030	.010	
B06HBS	M	.150	.700	.006	.003	.240	.120	.050	.060	.010	.0330

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EC05NJS		.001			.001					.324
B06HBS	.0077	.001	.0001	.0220	.001	.008				.292

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EC05NJS	68.8	L		42.4	24.0	55.0	126
B06HBS	63.5	L		42.7	35.0	.0	138

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EC05NJS						
B06HBS						

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 latest editions unless otherwise noted. We certify these fittings capable of passing a 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.
 /s/ Glinda LaFleur