

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

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BPCS

Order Number: 453-6

(292078-006) DOC #00186457 05/12/07 Date: 12/08/05

Sold to: PLESA ANAHUAC Y CIAS S. A. DE Ship to: PLESA ANAHUAC Y CIAS 001
 VALLE DE LAS ALAMEDAS NO 66-0 C/O SPECIALIST IN TRANSIT FWR
 SAN FRANCISCO CHILPAN 1801 MARKLEY - MODERN IND PARK
 TULTITLAN EOO DE MEX 54940 LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
EH05ZN	5	20 STD CAP A/SA 234 - 05A WPB A516-70 164/822M39940 HOT FORMED NACE MR0175
EJ05CD	5	16 X 12 STD RED TEE A/SA 234 - 05A WPB TRI-Y56 61/954858 HOT FORMED NACE MR0175
RH05NG	2	24 STD LR 90 DEG EL A/SA 234 - 05A WPB 470DH 9 A03159 HOT FORMED NACE MR0175
EH05APS	20	10 X 6 STD ECC A/SA 234 - 05A WPB H60 07/T70172 STRESS RELIEVED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EH05ZN	M	.180	1.050	.014	.006	.321	.220	.180	.020	.006	
EJ05CD	M	.180	1.110	.014	.004	.190	.140	.090	.090	.040	
RH05NG	M	.180	.740	.008	.006	.200	.060	.030	.060	.010	.0330
EH05APS	M	.140	.640	.005	.001	.220	.160	.060	.060	.010	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EH05ZN		.002			.002					.387
EJ05CD		.030			.000					.412
RH05NG		.001	.0001		.001					.323
EH05APS		.002			.001					.275

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EH05ZN	77.7	T		52.2	27.0		154
EJ05CD	74.3	L		55.0	46.0		146
RH05NG	66.5	T		41.8	45.0		137
EH05APS	70.0	L		41.5	36.0	71.0	126

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EH05ZN						
EJ05CD						
RH05NG						
EH05APS						

Test: M=Mill Product

Type: T=Transverse 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