

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887

Phone: (214) 589-8177 Fax: (214) 589-8892

Order Number: 453-4

Date: 11/17/05

Sold to: PLESA ANAHUAC Y CIAS S. A. DE Ship to:

VALLE DE LAS ALAMEDAS NO 66-0

SAN FRANCISCO CHILPAN

TULTITLAN EOO DE MEX 54940

Heat Code	Quantity	Description / Specifications	
EG05ZA	18 STD CAP	A/SA 234 - 05A WPB	
	A516-70 154/A5R1364	HOT FORMED	NACE MR0175
EH05ZL	14 STD CAP	A/SA 234 - 05A WPB	
	A516-70 164/822M40260	HOT FORMED	NACE MR0175
EF05YP	24 STD CAP	A/SA 234 - 05A WPB	
	A516-70 164/823L74090	HOT FORMED	NACE MR0175
EH05ZNS	12 STD CAP	A/SA 234 - 05A WPB	
	A516-70 164/822M39940	STRESS RELIEVED	NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EG05ZA	M	.230	1.050	.011	.008	.230	.250	.070	.030	.017	
EH05ZL	M	.180	1.100	.010	.006	.346	.244	.180	.020	.005	
EF05YP	M	.170	1.020	.010	.003	.323	.239	.180	.020	.014	
EH05ZNS	M	.180	1.050	.014	.006	.321	.220	.180	.020	.006	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EG05ZA		.002			.000					.436
EH05ZL		.003			.002					.397
EF05YP		.002			.002					.375
EH05ZNS		.002			.002					.387

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EG05ZA	74.3	T		43.7	28.7		146
EH05ZL	80.3	T		54.4	39.0		160
EF05YP	80.1	T		54.8	22.0		160
EH05ZNS	76.4	T		51.1	33.0	65.0	140

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EG05ZA						
EH05ZL						
EF05YP						
EH05ZNS						

Test: M=Mill Product

Type: T=Transverse

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