

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: 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

G07FX1S	10 STD CAP	A/SA 234 - 07 WPB (SMLS)
	A516-70 154 7103514	STRESS RELIEVED NACE MR0175
J06HJ	20 X 16 STD TEE	A/SA 234 - 05A WPB (SMLS)
	TRI-Y56 61 960746	HOT FORMED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
G07FX1S	M	.190	1.030	.013	.001	.170	.240	.070	.090	.000	.0240
J06HJ	M	.170	1.160	.011	.002	.220	.150	.090	.090	.030	.0280

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
G07FX1S	.0080	.003	.0001	.0010	.001	.009				.400
J06HJ	.0045	.040								.411

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
G07FX1S	75.0	T		55.0	32.0		152
J06HJ	76.2			50.9	46.0		156

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
G07FX1S						
J06HJ						

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 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 CERT11753-2007-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.