

CERTIFIED MATERIAL TEST REPORT  
Hackney Ladish Inc.

No. 7915 P. 6

P.O. Box 803466 - 5495 Beltline Rd. #290 - Dallas, TX 75254  
Phone: (800) 527-4500 Fax: (214) 269-5601

Order Number: 2829

Date: 04/05/07

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

Heat Code	Quantity	Description / Specifications
J06HZS	2	STD CAP A/SA 234 - 06 WPB (SMLS)
A07SBS	5	A516-70 154 A6T2352 STRESS RELIEVED 5 STD CAP NACE MR0175 A/SA 234 - 06A WPB (SMLS)
A07SBS	8	A516-70 173 162P70620 STRESS RELIEVED 8 STD CAP NACE MR0175 A/SA 234 - 06A WPB (SMLS)
76ZN	24	A516-70 173 162P70620 STRESS RELIEVED 24 X 20 STD ECC NACE MR0175 WPB MIW/ 09/ S13573 A/SA 234 - 06A WPB (SMLS) NORMALIZED NACE MR0175

Heat Code	Test	Chemical Analysis									
		C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
J06HZS	M	.229	1.081	.014	.009	.209	.287	.090	.090	.028	.0340
A07SBS	M	.230	1.100	.008	.006	.287	.027	.010	.030	.001	.0440
A07SBS	M	.230	1.100	.008	.006	.287	.027	.010	.030	.001	.0440
76ZN	M	.140	1.220	.005	.001	.260	.040	.100	.070	.060	

Heat Code	Chemical Analysis (cont.)									
	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
J06HZS		.002	.0003	.0030	.000	.010				
A07SBS		.001		.0020	.001					.458
A07SBS		.001		.0020	.001					.422
76ZN		.059	.0003	.0150	.022					.422
										.390

Heat Code	Physical Properties						
	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
J06HZS	74.0	T	.188	47.7	40.0	.0	151
A07SBS	76.0	T		50.0	30.0		152
A07SBS	76.0	T		50.0	30.0		152
76ZN	79.0	L		59.5	35.0	77.0	147

Heat Code	Charpy Results			
	Size x 10mm	Type	Temp. (F)	Foot Pounds Later. Expansion & Shear
J06HZS				
A07SBS				
A07SBS				
76ZN				

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