CERTIFIED MATERIAL TEST REPORT Hackney Ladish Inc.

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Quantity Description / Specifications

10 TAP CAP XS A/SA 234 - 07 WPB (SMLS)

A516-70 154 7105666 HOT FORMED

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Chemical Analysis (cont.)

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Heat Code	N	V	B	Ti	_Cb	Sn	W	Pb	Co	CE	
J07LJ1		.002								.420	

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
.T0.7TT1	79 1	T			22.5		163

Charpy Results

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

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 CERT11763-2007-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.