



A03 Document No.:
A 2012/07/000937-JAN



A01, A55
Manufacturer: TRINECKÉ ŽELEZÁRNY, a.s. / Průmyslová 1000 / 739 70 Třinec, Stará Město / Czech Republic
Production mill: VT - VALCOVNA TRUB / Výstavni 1132 / 705 02 Ostrava - Vítkovice / Czech Republic

A07 Purchaser's order No.:		A08 Works order No./Contract No.:		A06 Consignee:		
A10 Advice-Note No.:						
A02 Type of inspection document: Inspection certificate 3.1, EN 10204:2004						
B01, B09-B11 Product, product dimensions, specification		B08, B13 Quantity	B02.1 Steel designation	B02.2 Product / Dimensional standard		
Line Pipes 0.825 in x 0.322 in		75 pcs 1552.03 R 20847 kgs	X42/B/PSL1 Gr.B Gr.B Gr.1 Gr.C Gr.B	API SPEC 5L 44. EDITION ASTM A106/A106M 07/2008 ASTM A333/A333M 03/2005 ASTM A333/A333M 03/2005 ASTM A106/A106M 07/2008 ASTM A53/A53M 08/2007 ASME B36.10 10/2004		
B03 Supplementary requirements: ASME SA53/SA53M 2010 EDITION, ASME SA106/SA106M 2010 EDITION, ASME SA: 33/SA333M 2010 EDITION Bevelled ends 30-35°, root facet 1,6mm +0,8mm						
Requirements (tubes):						
B07.1 Heat No.	B07.2 Specimen No.	C10* Specimen shape	C11 Yield Strength R10.5 psi min 42100	C12 Tensile Strength Rm psi min 70009	C13 Elongation 2" % min 35	C14 Reduction of area Z %
C02 Specimen direction: L		C09 Test temperature(°F): 70		C16 Test method: ASTM A370		
T42497	32688/P	P	55404	76000	41.10	-
T42497	32670/P	P	58450	77450	39.20	-
T42500	32887/P	P	60338	78465	37.60	-
T42500	32869/P	P	55259	78580	39.40	-
* P - Flat specimen K - Round specimen						
Z01 ALL PRODUCTS MEET REQUIREMENTS OF ABOVE MENTIONED STANDARDS AND REQUIREMENTS SPECIFIED IN ORDER THE DECLARATION IS ISSUED UNDER THE SOLE RESPONSIBILITY OF THE SUPPLIER						

JUL 20 2012

Z02 Confirmed: Marta Uhravá, Ing.,
Head of Attestation, Releasing and External Inspection VT, Independent authorized agent



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80-40



A03 Docum int No.:
A 2012/0:7000937-JAN

A01, A05
Manufacturer: TŘINECKÉ ŽELEZÁRNY, a.s. /Průmyslová 1000 / 739 70 Třinec-Staré Město /Czech Republic
Production mill: VT - VALCOVNA TRUB / Vytávarní 1132 / 708 02 Ostrava - Vítkovice /Czech Republic

B07.1 Heat No.	B07.2 Specimen No.	C40 Impact test KV ft.lb		C44 Lateral expansion		C45 Shear fracture area %											
		C41 0.197ln x 0.304ln															
C02 Specimen direction: L		C03 Test temperature(°F): -70		C48 Test method: ASTM A370													
		C43 Individual values	C43 Mean value	C44.1 Individual values	C44.2 Mean value	C45.1 Individual values	C45.2 Mean value										
T42497	32668/P	41 81 63	55														
T42600	32667/P	69 65 65	66														
B07.1 Heat No.	B07.2 Specimen No.	C30 Hardness HBW NACE HR 01-75 max 237															
		C31 Individual values	C32 Mean value														
T42497	32668/P	128 121 126	124														
T42600	32667/P	130 130 128	129														
C70 Steelmaking process: Converter																	
C71-C92 Heat chemical analysis in % (tubes):																	
Heat No.	C	Mn	Si	P	S	Eu	Ni	Cr	Mo	V	Ti	Al	Nb	B	Ceq		
T42497	0.19	1.10	0.28	0.016	0.008	0.02	0.02	0.06	0.004	0.006	0.002	0.031	0.002	0.0003	0.39		
T42600	0.20	1.09	0.26	0.019	0.008	0.04	0.02	0.04	0.005	0.008	0.002	0.027	0.002	0.0003	0.40		
Product chemical analysis in % (tubes):																	
Heat No.	Specimen No.	C	Mn	Si	P	S	B	Cu	Ni	Cr	Mo	V	Ti	Al	Nb	B	Ceq
T42497	32668/P	0.20	1.09	0.28	0.014	0.007	0.02	0.01	0.06	0.005	0.005	0.002	0.031	0.001	0.0002	0.40	
T42497	32670/P	0.19	1.10	0.27	0.015	0.007	0.02	0.01	0.08	0.002	0.005	0.002	0.031	0.003	0.0003	0.39	
T42600	32667/P	0.20	1.08	0.26	0.017	0.008	0.04	0.02	0.04	0.004	0.005	0.002	0.028	0.003	0.0003	0.39	
T42600	32669/P	0.20	1.09	0.26	0.018	0.010	0.04	0.02	0.04	0.004	0.005	0.002	0.024	0.003	0.0003	0.40	
C90, D01, D02, D51 Other requirements:																	
Visual and dimensional inspections								- satisfactory									
Flattening test						ASTM A 530		- satisfactory									
Hydrostatic test - test pressure						2360 psi/5s		- satisfactory									
Residual magnetism						API 5L		- satisfactory									

JUL 20 2012

Z02 Confirmed: Maria Uhorová, Ing.
Head of Attestation, Release and External Inspection VT, Independent authorized agent



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