

TUB



A03 Document No.:
A 2012/12/006906-BEN

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A01, A05
Manufacturer: TRINECKÉ ŽELEZÁRNY, a.s. / Průmyslová 1000 / 739 70 Třinec-Staré Město / Czech Republic
Production mill: VT - VALCOVNA TRUB / Výstavní 1132 / 706 02 Ostrava - Vítkovice / Czech Republic

A07 Purchaser's order No.:	A08 Works order No./ Contract No.:	A09 Consignee:
010000-A	9700215204 0041228895 / 176	
A10 Advice-Note No.: 12/12/002656/02 14.12.2012		
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
Seamless Steel Line Pipes Hot Rolled 10.750 in x 0.719 in	23 pcs 891.80 ft 32312 kgs	X42/PSL1 B/PSL1 Gr.B Gr.C Gr.B	API SPEC 5L 44. EDITION API SPEC 5L 44. EDITION ASTM A106/A106M 07/2008 ASTM A106/A106M 07/2008 ASTM A53/A53M 08/2007 ASME B36.10 10/2004

B04 Product delivery condition:
normalized

B03 Supplementary requirements:
ASME SA53/SA53M 2010 EDITION, ASME SA106/SA106M 2010 EDITION, API MONOGRAM
Plain square cut ends

JAN 10 2013

Requirements :

B07.1 Heat No.	B07.2 Specimen No.	C10*	C11	C12	C13	C14
		Specimen shape	Yield Strength Rt0.5 psi	Tensile Strength Rm psi	Elongation 2" %	Reduction of area Z %
			min 42100	min 70000	min 22	
		C02 Specimen direction: L		C03 Test temperature(°F): 70	C15 Test method:	ASTM A370
T48497	64525/P	K	48748	75420	31.70	-
T48859	64526/P	K	51778	75275	34.60	-
T48854	64523/P	K	50473	75420	30.80	-
T48867	64521/P	K	52089	78465	32.50	-
T48622	68202/P	K	52359	76580	33.90	-

* 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

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



TRINECKÉ ŽELEZÁRNY, a.s.
Třinec - Staré Město, Průmyslová 1000
PSČ 739 70 131

Z02

Ostrava-Vítkovice:
20.12.2012

tel.: 00420/59/560/2160
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Z03 Independent authorized agent



A03 Document No.:
A 2012/12/005906-BEN

Sheet : 2/3

A01, A05
Manufacturer: TRINECKÉ ŽELEZÁRNY, a.s. /Průmyslová 1000 / 739 70 Třinec-Staré Město /Czech Republic
Production mill : VT - VALCOVNA TRUB / Výstavní 1132 / 706 02 Ostrava - Vítkovice / Czech Republic

B07.1 Heat No.	B07.2 Specimen No.	C30 Hardness HBW																	
		NACE MR0175-2009, NACE MR0103-2012 MBX 237																	
		C31 Individual values		C32 Mean value															
T46497	64525/P	140	140	139	140														
T46859	64526/P	140	134	135	136														
T46864	64523/P	141	141	138	140														
T46867	64521/P	146	146	146	146														
T48622	68202/P	139	140	135	138														

C70 Steelmaking process: Basic oxygen furnace

C71-C92 Heat chemical analysis in %: Ceq max.: 0.43

B07.1 Heat No.	C	Mn	Si	P	S	Cu	Ni	Cr	Mo	V	Ti	Al	Nb	B	Ceq
T46497	0.26	0.75	0.24	0.013	0.004	0.03	0.02	0.04	0.009	0.003	0.001	0.025	0.002	0.0003	0.40
T46859	0.18	1.08	0.25	0.012	0.004	0.04	0.03	0.06	0.007	0.005	0.001	0.026	0.002	0.0003	0.38
T46864	0.19	1.10	0.25	0.013	0.007	0.05	0.03	0.07	0.011	0.006	0.001	0.029	0.002	0.0003	0.40
T46867	0.20	1.15	0.25	0.014	0.010	0.08	0.05	0.08	0.008	0.005	0.001	0.031	0.003	0.0003	0.42
T48622	0.19	1.09	0.23	0.013	0.006	0.02	0.05	0.05	0.009	0.003	0.001	0.020	0.002	0.0003	0.39

Product chemical analysis in %: Ceq max.: 0.43

B07.1 Heat No.	B07.2 Specimen No.	C	Mn	Si	P	S	Cu	Ni	Cr	Mo	V	Ti	Al	Nb	B	Ceq
T46497	64525/P	0.26	0.75	0.24	0.013	0.003	0.02	0.02	0.04	0.008	0.003	0.001	0.024	0.003	0.0003	0.40
T46859	64526/P	0.19	1.11	0.25	0.012	0.003	0.03	0.03	0.06	0.007	0.005	0.002	0.026	0.001	0.0002	0.39
T46859	64527/P	0.18	1.10	0.25	0.013	0.004	0.03	0.03	0.06	0.006	0.005	0.002	0.025	0.003	0.0003	0.38
T46864	64523/P	0.21	1.15	0.24	0.015	0.008	0.06	0.06	0.07	0.008	0.004	0.002	0.031	0.003	0.0003	0.43
T46867	64521/P	0.20	1.14	0.24	0.016	0.009	0.06	0.06	0.07	0.006	0.004	0.002	0.031	0.003	0.0003	0.41
T46867	64522/P	0.20	1.14	0.24	0.016	0.009	0.06	0.06	0.07	0.006	0.004	0.002	0.032	0.003	0.0004	0.41
T48622	68202/P	0.20	1.10	0.23	0.014	0.007	0.02	0.05	0.05	0.009	0.003	0.001	0.018	0.003	0.0005	0.40
T48622	68203/P	0.21	1.08	0.23	0.014	0.007	0.02	0.05	0.05	0.010	0.003	0.001	0.018	0.003	0.0005	0.41

C50, D01, D02, D51 Other requirements:

Visual and dimensional inspection		- satisfactory
Flattening test	ASTM A 530	- satisfactory
Hydrostatic test - test pressure	2970 psi/5s	- satisfactory
Residual magnetism	API 5L	- satisfactory

JAN 10 2013

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

Z02

Ostrava-Vitkovice:
20.12.2012

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TRINECKÉ ŽELEZÁRNY, a.s.
Třinec - Staré Město, Průmyslová 1000
PSČ 739 70 131

Z03 Independent authorized agent

A04 Manufacturer's mark



TRINECKÉ ŽELEZÁRNY
MORAVIA STEEL

A03 Document No.:
A.2012/12/005906-BEN

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A01, A05

Manufacturer: TRINECKÉ ŽELEZÁRNY, a.s. / Průmyslová 1000 / 739 70 Třinec-Staré Město / Czech Republic
Production mill: VT - VALCOVNA TRUB / Vystavní 1132 / 706 02 Ostrava - Vítkovice / Czech Republic

B15 Supplementary information:

Heat No.: T46497
Tube No.: 64525
Heat No.: T46859
Tube No.: 64524,64531
Heat No.: T46864
Tube No.: 64523
Heat No.: T46867
Tube No.: 64522
Heat No.: T48622
Tube No.: 68211,68203,68212,68213,68214,68219,68220,68215,68216,68221,68222,68223,68224,68225,
68226,68227,68228,68218

The tubes are free of mercury contamination and no weld repair was performed.

The hardness test values in HBW conform to the request max. 22 HRC (max. 237 HBW).

Diameter of gauge length of the tension test specimen at a room temperature - 1/2 in.

Data mentioned in USC Units were converted from SI Units.

Appendix: Heat treatment report.

JAN 10 2013

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

Z02

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20.12.2012

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