



A02 Inspection certificate "3.1" (EN 10 204)

A03 Document No.: 50364/20

A07	Customer's Order (P.O.) No./Item No.: 10115031/244153-00 Texas Pipe	A08	Manufacturer's Works Order No.: 67211/0/19									
A11	Supplier's Order No.: 3151011945	A10	Advice - Note No.: 8150054402									
B08, B12/B13	Quantity delivered: <table border="1"> <tr> <td>pcs</td> <td>mtrs</td> <td>kgs</td> </tr> <tr> <td>bdls</td> <td>feet</td> <td>lbs</td> </tr> <tr> <td>51</td> <td>2018.593</td> <td>13780</td> </tr> </table>	pcs	mtrs	kgs	bdls	feet	lbs	51	2018.593	13780	A06	Customer / Consignee:
pcs	mtrs	kgs										
bdls	feet	lbs										
51	2018.593	13780										
B09-11	Dimensions: 5.563 x 0.258"											
B02	Steel designation: B/L245 PSL1 X42/L290 PSL1 Grade B											

B01, B03, B04 Product, conditions and terms of delivery:
 Seamless steel pipes acc. to API Spec. 5L 46th edit. 2018 X42/L290, B/L245 - PSL1 / ASME B36.10M-18, / ASTM A53/A53M-18 / ASME SA53/SA53M-17 / ASTM A106/A106M-18 / ASME SA106/SA106M-17 Grade B / ANSI/NACE MR0175/ISO 15156-15 / ANSI/NACE MR0103/ISO 17945-15, with beveled ends acc. to API 5L, protected with plastic caps, surface lacquered.
 Hot finished as rolled. Certified acc. to EN 10204/3.1-2004.

A04, B06 Marking: Manufacturer's mark, mill inspector's stamp
 LTP OSTRAVA 

C71-92	Heat (H) and product (P) chemical analyses (%)	C70	Steel made by basic oxygen process, fully killed, strand cast.										
B07	Heat No.: 23404K	C	MN	SI	P	S	CU	NI	CR	MO	V	TI	NB
	H	0.17	1.11	0.213	0.014	0.008	0.07	0.04	0.05	0.008	0.001	0.001	0.001
	P	0.17	1.12	0.210	0.015	0.009	0.07	0.04	0.04	0.009	0.002	0.002	<0.001
	P	0.17	1.12	0.211	0.015	0.009	0.07	0.04	0.04	0.009	0.002	0.002	<0.001


299		B07	Test results:	psi	psi	% (2")	c40-43 Impact test	HRB
		C04	Heat No. c00 Specimen No. Requirements: Grade B B/L245 X42/L290	c11 Yield Point min. 35000 min. 35500 min. 42100	c12 Tensile Strength min. 60000 min. 60200 min. 60200	c13 Elongation min. 24.0 min. 24.0 min. 24.0	Ø min	c30-32 Hardness max. 99
			23404K/1	50183	71939	34.5		78.0
				Longitudinal strip specimen - 1"				

299		D01	Visual and dimensional inspection with satisfactory results	X	D01	Hydrostatic test - min. test pressure	psi / sec	2340 / 5
		C50	Flattening test - satisfactory	X	D02	The pipes tested on tightness by NDT in acc. to		
		C51	Expanding test - satisfactory					
		C52	Bending test - satisfactory					
		C53	Ring expanding test - satisfactory		D03	Nondestructive Electromagnetic Testing		
		C54	Ring tensile test - satisfactory					

The manufacturer has an established and certified management system according to ISO 9001:2015, ISO 14001:2015, ISO 50001:2011, ISO 45001:2018.
 MANUFACTURES OF BILLETS: LIBERTY OSTRAVA, Czech Republic
 PRESENTED DATA WAS CONVERTED FROM SI UNIT SYSTEM. 22 HRC = 99 HRB max.
 Residual magnetic field [mT] max.3 - satisfactory

Z01 All pipes conform to the above mentioned standards and ordering requirements and agreements.
 Z02 Date of issue 21.2.2020/ZR Tel:++420 595683644

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 Bc. Petr Pastucha
 Work's Inspector