



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road

Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611

Email: tubesalesUK@tatasteeleurope.com

INSPECTION CERTIFICATE
EN10204 Type 3.1

A02

Page No. 01 of 03

Date	02/07/24	Z02
Cert No.	280/2427/0242	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	Sales	GXM440536	Works	5157	A08
Customer Order No. P/O: PUR3002472 OF 12/JAN/24 A07					
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED. B01-B04					

MADE IN UK

L=Longitudinal T=Transverse B=Body W=Weld KV=Charpy V-Notch HV=Hardness Vickers(10Kg Load) DT=Drop Weight Tear Test																					
Item No.	B08 Number of Pieces	B09-B12 Product Dimensions (in)	B07 Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process						
					C01 C02 C10	C11 Yield Stress Re (psi)	C12 Tensile Strength Rm (psi)	C13 Elong A% 2IN	D02 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb	C50-C6 D02-D9					
					Other Tests																
																	STEELMAKE/COIL ROLL: TATA STEEL UK COUNTRY OF MELT AND POUR = UK FLATTENING TEST SATISFACTORY ULTRASONIC TESTS SATISFACTORY TENSILE TEST PIECE: RECTANGULAR 330MM X 38.1MM X ACTUAL WALL THICK BODY CVN:20FT-LB AVE / 15FT-LB IND (MIN) OR REDUCED IN PROPORTION IF SUBSIZE. UT REF INDICATOR:OD/ID LONGITUDINAL NOTCHES N10. WELD SEAM NORMALISED 900C MIN. CE (PCM): 0.25% MAX IF C=< 0.12% CE (IIW): 0.43% MAX IF C> 0.12%				

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV			
Cast No.																						

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.CE & UKCA marking under the CPR 305/2011/EU and S.J. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.J. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.Z02
A05

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road

Hartlepool Cleveland UK TS25 2EG

A01
Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteeleurope.comINSPECTION CERTIFICATE
EN10204 Type 3.1

A02

Page No. 02 of 03

Date	02/07/24	Z02
Cert No.	280/2427/0242	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	Sales	GXM440536	Works	5157	A08
Customer Order No. P/O: PUR3002472 OF 12/JAN/24 A07					
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED. B01-B04					

MADE IN UK

L=Longitudinal T=Transverse B=Body W=Weld KV=Charpy V-Notch HV=Hardness Vickers(10Kg Load) DT=Drop Weight Tear Test																				
Item No.	B08 Number of Pieces	B09-B12 Product Dimensions (in)	B07 Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process					C70
					C01 C02 C10	C11 Yield Stress Re (psi)	C12 Tensile Strength Rm (psi)	C13 Elong A% 2IN	D02 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb	Other Tests	C50-C69 D02-D99			
3	67	18.000IN OD X 0.375IN 42' 0"-43' 6" 2910' 1"	7T31356	2405805	W T B T	66427 RATIO	96015 88908 .75	34	2320 5.0 SECS	T B T B	KV	7.5	00	82 86 80	83	% SHEAR = 100:100:100 = 100				
				2405916	W T B T	73099 RATIO	96595 99351 .76	30		T B T B	KV	7.5	-46	52 68 63	60	% SHEAR = 060:080:080 = 073				
														49 56 52	52	% SHEAR = 100:100:100 = 100				
														38 18 36	31	% SHEAR = 070:050:070 = 063				

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV	PCM		
Cast No.																						
7T31356 LADLE		.10	.186	1.45	.016	.002	.021	.001	.010	.033	.0002	.015	.0040	.000	.046	.002	.001	.057	.36	.18		
7T31356 PROD		.11	.187	1.46	.014	.001	.020	.003	.011	.038	.0001	.014	.0050	.000	.046	.002	.002	.058	.37	.19		
7T31356 PROD		.11	.186	1.45	.013	.001	.020	.003	.011	.038	.0001	.014	.0047	.000	.044	.002	.002	.058	.37	.19		

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.
Z02
A05

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road

Hartlepool Cleveland UK TS25 2EG

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteeleurope.com

A01

INSPECTION CERTIFICATE
EN10204 Type 3.1

A02

Date	02/07/24	Z02
Cert No.	280/2427/0242	A03
Del. Note		

Page No. 03 of 03

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	Sales	GXM440536	Works	5157	A08
Customer Order No. P/O: PUR3002472 OF 12/JAN/24 A07					
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED. B01-B04					

MADE IN UK

L=Longitudinal T=Transverse B=Body W=Weld KV=Charpy V-Notch HV=Hardness Vickers(10Kg Load) DT=Drop Weight Tear Test																			
Item No.	Number of Pieces	Product Dimensions (in)	Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process				
					C01 C02 C10	Yield Stress Re (psi)	C11 Tensile Strength Rm (psi)	C12 Elong A% 2IN	C13 Hydro Pressure (psi)	C01 C02	C40 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb	Other Tests			
			7T31356	2406019	W T B T	73389 RATIO	103557 97900 .75	32	2320 5.0 SECS	T B	KV	7.5	00	65 67 60	64	% SHEAR = 100:100:100 = 100			
				2406105	W T B T	72664 RATIO	101961 98336 .74	27		T B	KV	7.5	00	52 51 60	55	% SHEAR = 090:090:100 = 093			
					T B					T B	KV	7.5	-46	27 16 40	28	% SHEAR = 050:030:070 = 050			
***** END OF TEST CERTIFICATE *****																			

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV			
Cast No.																						

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.Z02
A05

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road
Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteeleurope.comINSPECTION CERTIFICATE
EN10204 Type 3.1

A02

Page No. 01 of 03

Date	28/05/24	Z02
Cert No.	280/2422/0011	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	Sales	GXM440536	Works	5157	A08
Customer Order No. P/O: PUR3002472 OF 12/JAN/24 A07					
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED. B01-B04					

MADE IN UK

L=Longitudinal T=Transverse B=Body W=Weld KV=Charpy V-Notch HV=Hardness Vickers(10Kg Load) DT=Drop Weight Tear Test																			
Item No.	Number of Pieces	Product Dimensions (in)	Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process				
					C01 C02 C10	Yield Stress Re (psi)	C11 C12 C13	Tensile Strength Rm (psi)	Elong A% 2IN	D02 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	Width (mm)	Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb	Other Tests		
																	STEELMAKE/COIL ROLL: TATA STEEL UK COUNTRY OF MELT AND POUR = UK FLATTENING TEST SATISFACTORY ULTRASONIC TESTS SATISFACTORY TENSILE TEST PIECE: RECTANGULAR 330MM X 38.1MM X ACTUAL WALL THICK BODY CVN:20FT-LB AVE / 15FT-LB IND (MIN) OR REDUCED IN PROPORTION IF SUBSIZE. UT REF INDICATOR:OD/ID LONGITUDINAL NOTCHES N10. WELD SEAM NORMALISED 900C MIN. CE (PCM): 0.25% MAX IF C=< 0.12% CE (IIW): 0.43% MAX IF C> 0.12%		

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV	PCM		
Cast No.																						
7T29688 LADLE		.11	.196	1.62	.020	.002	.058	.006	.028	.047	.0002	.055	.0039	.000	.048	.005	.003	.076	.42	.21		
7T29688 PROD		.12	.197	1.64	.017	.001	.055	.008	.029	.061	.0002	.053	.0048	.000	.050	.005	.002	.077	.43	.23		
7T29688 PROD		.12	.196	1.62	.017	.002	.055	.008	.029	.061	.0002	.053	.0034	.000	.047	.004	.002	.077	.42	.22		

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.

CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only. Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105. Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.

CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.Z02
A05

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.

18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road
Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteeleurope.comINSPECTION CERTIFICATE
EN10204 Type 3.1

A02

Page No. 02 of 03

Date	28/05/24	Z02
Cert No.	280/2422/0011	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	Sales	GXM440536	Works	5157	A08
Customer Order No. P/O: PUR3002472 OF 12/JAN/24 A07					
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED. B01-B04					

MADE IN UK

L=Longitudinal T=Transverse B=Body W=Weld KV=Charpy V-Notch HV=Hardness Vickers(10Kg Load) DT=Drop Weight Tear Test																			
Item No.	Number of Pieces	Product Dimensions (in)	Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process				
					C01 C02 C10	C11 Yield Stress Re (psi)	C12 Tensile Strength Rm (psi)	C13 Elong A% 2IN	D02 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb	Other Tests			
					C50-C60 D02-D90														
3	38	18.000IN OD X 0.375IN 42' 0"-43' 6" 1651' 8"	7T29688	1416809	W T B T	70923 RATIO	94565 .75	28	2320 5.0 SECS	T B T B	KV KV	7.5 7.5	00 -46	35 37 38 23 28 22	36	% SHEAR = 100:100:100 = 100			
3	17	18.000IN OD X 0.375IN 42' 0"-43' 6" 738' 9"	7T30300	2000505	W T B T	65412 RATIO	87313 .75	34	2320 5.0 SECS	T B T B	KV KV	7.5 7.5	00 -46	167 167 163 142 139 128	166	% SHEAR = 100:100:100 = 100			
																% SHEAR = 100:100:100 = 100			

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV	PCM		
Cast No.																						
7T30300 LADLE		.06	.212	1.48	.022	.001	.036	.003	.017	.044	.0002	.029	.0044	.002	.064	.005	.014	.002	.32	.15		
7T30300 PROD		.07	.210	1.49	.021	.000	.034	.003	.018	.052	.0005	.029	.0069	.002	.062	.004	.014	.004	.33	.16		
7T30300 PROD		.07	.213	1.51	.021	.000	.035	.003	.018	.053	.0004	.030	.0060	.002	.061	.004	.014	.004	.33	.16		

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.Z02
A05

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road
Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteeleurope.comINSPECTION CERTIFICATE
EN10204 Type 3.1

A02

Page No. 03 of 03

Date	28/05/24	Z02
Cert No.	280/2422/0011	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	Sales	GXM440536	Works	5157	A08
Customer Order No. P/O: PUR3002472 OF 12/JAN/24 A07					
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED. B01-B04					

MADE IN UK

L=Longitudinal T=Transverse B=Body W=Weld KV=Charpy V-Notch HV=Hardness Vickers(10Kg Load) DT=Drop Weight Tear Test																				
Item No.	B08 Number of Pieces	B09-B12 Product Dimensions (in)	B07 Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process					C70
					C01 C02 C10	C11 Yield Stress Re (psi)	C12 Tensile Strength Rm (psi)	C13 Elong A% 2IN	D02 Hydro Pressure (psi)	C01 C02 Test Type	C40 C30 Width (mm)	C41 Temp (C)	C03 Values Ft Lb	C42 C31 Ave Ft Lb	C43 C32 Ave					
															C50-C60 D02-D90					
			7T30300	2000608	W T B T	71794 RATIO	98626 93259 .77	28	2320 5.0 SECS	T B T B	KV KV	7.5 7.5	00 -46	202 195 197 126 89 99	198	% SHEAR = 100:100:100 = 100 % SHEAR = 100:100:100 = 100				
***	*****	*****	*****	*****	*****	*****	END OF TEST CERTIFICATE													*****

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV			
Cast No.																						

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded
as falsification of documents and be subject to criminal jurisdiction.CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20"
mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.CHRIS STEVENS Z02
Section Manager Technical A05
This document has been prepared by a
computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road
Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteelurope.com

INSPECTION CERTIFICATE

EN10204 Type 3.1

A02

Page No. 01 of 03

Date	31/01/25	Z02
Cert No.	280/2505/0356	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	GXM447420	Works	7359	A08
Sales				
Customer Order No.	P/O: PUR3002755 OF 04/SEP/24			A07
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED.				

L=Longitudinal		T=Transverse	B=Body	W=Weld	KV=Charpy	V-Notch	HV=Hardness Vickers(10Kg Load)		DT=Drop Weight Tear Test											
Item No.	B08 Number of Pieces	B09-B12 Product Dimensions (in)			B07 Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process		C70	
							C01 C02 C10	Yield Stress Re (psi)	C11 Tensile Strength Rm (psi)	C12 Elong A% 2IN	C13 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb	C50-C69 D02-D99		
							Other Tests													
																FLATTENING TEST SATISFACTORY ULTRASONIC TESTS SATISFACTORY TENSILE TEST PIECE: RECTANGULAR 330MM X 38.1MM X ACTUAL WALL THICK BODY CVN:15FT-LB AVE / 12FT-LB IND (MIN) UT REF INDICATOR:OD/ID LONGITUDINAL NOTCHES N10. WELD SEAM NORMALISED 900C MIN. CE (PCM): 0.25% MAX IF C=< 0.12% CE (IIW): 0.43% MAX IF C> 0.12% STEELMAKING/COIL ROLLING: TATA STEEL PORT TALBOT UK PIPE MANUFACTURING: TATA STEEL HARTLEPOOL UK COUNTRY OF MELT AND POUR: UK				

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV			
Cast No.																						

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.

CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.

CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.

Z02
A05



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road
Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteelurope.com

INSPECTION CERTIFICATE

EN10204 Type 3.1

A02

Page No. 02 of 03

Date	31/01/25	Z02
Cert No.	280/2505/0356	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	GXM447420	Works	7359	A08
Sales				
Customer Order No.	P/O: PUR3002755 OF 04/SEP/24			A07
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED.				

L=Longitudinal		T=Transverse	B=Body	W=Weld	KV=Charpy V-Notch		HV=Hardness Vickers(10Kg Load)		DT=Drop Weight Tear Test													
Item No.	B08 Number of Pieces	B09-B12 Product Dimensions (in)			B07 Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process		C70			
							C01 C02 C10	Yield Stress Re (psi)	C11 Tensile Strength Rm (psi)	C12 Elong A% 2IN	C13 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb	C50-C69 D02-D99				
		Other Tests																				
11	30	18.000IN OD X 0.375IN 42' 0"-43' 6" 1279'10"			7T33654	0315205	W T B T	69908 RATIO	100656 95580 .73	31	2320 5.0 SECS	T B T B T B	KV KV KV KV	7.5 7.5 7.5 7.5	00 -46 00 -46	69 66 62 56 48 43 59 58 57 33 40 46	66 49 58 40	% SHEAR = 100:100:100 = 100 % SHEAR = 085:070:070 = 075 % SHEAR = 100:100:100 = 100 % SHEAR = 080:090:095 = 088				

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV	PCM		
Cast No.																						
7T33654 LADLE		.11	.199	1.56	.012	.002	.019	.001	.011	.039	.0002	.010	.0057	.000	.047	.002	.003	.058	.38	.20		
7T33654 PROD		.11	.202	1.58	.012	.001	.020	.002	.012	.043	.0003	.010	.0058	.000	.050	.002	.003	.062	.39	.21		
7T33654 PROD		.11	.201	1.57	.011	.001	.019	.003	.012	.043	.0004	.010	.0049	.000	.050	.002	.003	.061	.39	.21		
7T33658 LADLE		.10	.200	1.47	.013	.002	.061	.001	.016	.034	.0002	.032	.0043	.000	.044	.003	.003	.057	.37	.19		
7T33658 PROD		.11	.202	1.51	.013	.001	.058	.003	.018	.035	.0003	.034	.0041	.000	.049	.003	.002	.061	.39	.20		
7T33658 PROD		.11	.203	1.51	.013	.001	.058	.003	.018	.035	.0003	.034	.0038	.000	.049	.003	.002	.061	.39	.21		

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.

CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.

CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.

Z02
A05



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road
Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteelurope.com

INSPECTION CERTIFICATE EN10204 Type 3.1

A02

Page No. 03 of 03

Date	31/01/25	Z02
Cert No.	280/2505/0356	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	GXM447420	Works	7359	A08
Sales				
Customer Order No.	P/O: PUR3002755 OF 04/SEP/24			A07
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED.				

L=Longitudinal		T=Transverse	B=Body	W=Weld	KV=Charpy V-Notch	HV=Hardness Vickers(10Kg Load)	DT=Drop Weight Tear Test												
Item No.	B08 Number of Pieces	B09-B12			B07 Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process		C70
		Product Dimensions (in)		Yield Stress Re (psi)			C11 Tensile Strength Rm (psi)	C12 Elong A% 2IN	D02 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb				
																Other Tests			
11	13	18.000IN OD X 0.375IN 42' 0"-43' 6" 544' 0"			7T33658	0315505	W T B T	68748 RATIO	96015 .72	32	2320 5.0 SECS	T B T B	KV	7.5	00	48 56 52	52	% SHEAR = 095:100:100 = 098	
11	13	18.000IN OD X 0.375IN 42' 0"-43' 6" 555' 0"			7T33773	0315407	W T B T	71939 RATIO	100366 .72	26	2320 5.0 SECS	T B T B	KV	7.5	00	27 27 19	27	% SHEAR = 100:090:080 = 090	
																		18	% SHEAR = 100:100:100 = 100
																		% SHEAR = 075:070:070 = 072	
***	*****	*****			*****	*****	***	END OF TEST CERTIFICATE					***	*****	*****	*****	***	*****	

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV	PCM		
Cast No.																						
7T33773 LADLE		.11	.165	1.53	.017	.006	.045	.001	.023	.040	.0002	.052	.0031	.000	.044	.002	.001	.061	.39	.21		
7T33773 PROD		.11	.165	1.55	.016	.005	.044	.004	.024	.042	.0002	.053	.0024	.000	.046	.003	.001	.063	.40	.21		
7T33773 PROD		.11	.164	1.53	.015	.004	.043	.004	.025	.043	.0002	.053	.0029	.000	.044	.003	.001	.063	.40	.21		

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.

CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.

CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.

Z02
A05



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road
Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteelurope.com

INSPECTION CERTIFICATE

EN10204 Type 3.1

A02

Page No. 01 of 03

Date	31/01/25	Z02
Cert No.	280/2505/0356	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	GXM447420	Works	7359	A08
Sales				
Customer Order No.	P/O: PUR3002755 OF 04/SEP/24			A07
Product Description				
HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED.				

L=Longitudinal		T=Transverse	B=Body	W=Weld	KV=Charpy V-Notch		HV=Hardness Vickers(10Kg Load)		DT=Drop Weight Tear Test														
Item No.	B08 Number of Pieces	B09-B12 Product Dimensions (in)			B07 Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process					C70	
							C01 C02 C10	C11 Yield Stress Re (psi)	C12 Tensile Strength Rm (psi)	C13 Elong A% 2IN	D02 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb	C50-C69 D02-D99					
							Other Tests																
																	FLATTENING TEST SATISFACTORY ULTRASONIC TESTS SATISFACTORY TENSILE TEST PIECE: RECTANGULAR 330MM X 38.1MM X ACTUAL WALL THICK BODY CVN:15FT-LB AVE / 12FT-LB IND (MIN) UT REF INDICATOR:OD/ID LONGITUDINAL NOTCHES N10. WELD SEAM NORMALISED 900C MIN. CE (PCM): 0.25% MAX IF C=< 0.12% CE (IIW): 0.43% MAX IF C> 0.12% STEELMAKING/COIL ROLLING: TATA STEEL PORT TALBOT UK PIPE MANUFACTURING: TATA STEEL HARTLEPOOL UK COUNTRY OF MELT AND POUR: UK						

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV				
Cast No.																							

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.

CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.

CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.

Z02
A05



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road
Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteelurope.com

INSPECTION CERTIFICATE

EN10204 Type 3.1

A02

Page No. 02 of 03

Date	31/01/25	Z02
Cert No.	280/2505/0356	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	GXM447420	Works	7359	A08
Sales				
Customer Order No.	P/O: PUR3002755 OF 04/SEP/24			A07
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED.				

L=Longitudinal T=Transverse B=Body W=Weld KV=Charpy V-Notch HV=Hardness Vickers(10Kg Load) DT=Drop Weight Tear Test																			
Item No.	B08 Number of Pieces	B09-B12 Product Dimensions (in)		B07 Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process			
						C01 C02 C10	C11 Yield Stress Re (psi)	C12 Tensile Strength Rm (psi)	C13 Elong A% 2IN	D02 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb	Other Tests		
11	30	18.000IN OD X 0.375IN 42' 0"-43' 6" 1279'10"		7T33654	0315205	W T B T	69908 RATIO	100656 95580 .73	31	2320 5.0 SECS	T B T B T B	KV KV KV KV	7.5 7.5 7.5 7.5	00 -46 00 -46	69 66 62 56 48 43 59 58 57 33 40 46	66 49 58 40	% SHEAR = 100:100:100 = 100		
					0315318	W T B T	73534 RATIO	107183 99786 .74	30								% SHEAR = 085:070:070 = 075		
																	% SHEAR = 100:100:100 = 100		
																	% SHEAR = 080:090:095 = 088		

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV	PCM		
Cast No.																						
7T33654 LADLE		.11	.199	1.56	.012	.002	.019	.001	.011	.039	.0002	.010	.0057	.000	.047	.002	.003	.058	.38	.20		
7T33654 PROD		.11	.202	1.58	.012	.001	.020	.002	.012	.043	.0003	.010	.0058	.000	.050	.002	.003	.062	.39	.21		
7T33654 PROD		.11	.201	1.57	.011	.001	.019	.003	.012	.043	.0004	.010	.0049	.000	.050	.002	.003	.061	.39	.21		
7T33658 LADLE		.10	.200	1.47	.013	.002	.061	.001	.016	.034	.0002	.032	.0043	.000	.044	.003	.003	.057	.37	.19		
7T33658 PROD		.11	.202	1.51	.013	.001	.058	.003	.018	.035	.0003	.034	.0041	.000	.049	.003	.002	.061	.39	.20		
7T33658 PROD		.11	.203	1.51	.013	.001	.058	.003	.018	.035	.0003	.034	.0038	.000	.049	.003	.002	.061	.39	.21		

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.

CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.

CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.

Z02
A05



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road
Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteelurope.com

INSPECTION CERTIFICATE EN10204 Type 3.1

A02

Page No. 03 of 03

Date	31/01/25	Z02
Cert No.	280/2505/0356	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	GXM447420	Works	7359	A08
Sales				
Customer Order No.	P/O: PUR3002755 OF 04/SEP/24			A07
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED.				

L=Longitudinal		T=Transverse	B=Body	W=Weld	KV=Charpy V-Notch	HV=Hardness Vickers(10Kg Load)	DT=Drop Weight Tear Test												
Item No.	B08 Number of Pieces	B09-B12			B07 Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process		C70
		Product Dimensions (in)		Yield Stress Re (psi)			C11 Tensile Strength Rm (psi)	C12 Elong A% 2IN	D02 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb	C50-C69 D02-D99			
																	Other Tests		
11	13	18.000IN OD X 0.375IN 42' 0"-43' 6" 544' 0"			7T33658	0315505	W T B T	68748 RATIO	96015 .72	32	2320 5.0 SECS	T B T B	KV	7.5	00	48 56 52	52	% SHEAR = 095:100:100 = 098	
11	13	18.000IN OD X 0.375IN 42' 0"-43' 6" 555' 0"			7T33773	0315407	W T B T	71939 RATIO	100366 .72	26	2320 5.0 SECS	T B T B	KV	7.5	00	27 27 16 17	27	% SHEAR = 100:100:100 = 100	
																		% SHEAR = 075:070:070 = 072	
***	*****	*****			*****	*****	END OF TEST CERTIFICATE					*****	*****	*****	*****	*****	*****		

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV	PCM		
Cast No.																						
7T33773 LADLE		.11	.165	1.53	.017	.006	.045	.001	.023	.040	.0002	.052	.0031	.000	.044	.002	.001	.061	.39	.21		
7T33773 PROD		.11	.165	1.55	.016	.005	.044	.004	.024	.042	.0002	.053	.0024	.000	.046	.003	.001	.063	.40	.21		
7T33773 PROD		.11	.164	1.53	.015	.004	.043	.004	.025	.043	.0002	.053	.0029	.000	.044	.003	.001	.063	.40	.21		

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.

CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.

CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.

Z02
A05



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road
Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteelurope.com

INSPECTION CERTIFICATE

EN10204 Type 3.1

A02

Page No. 01 of 03

Date	31/01/25	Z02
Cert No.	280/2505/0356	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	GXM447420	Works	7359	A08
Sales				
Customer Order No.	P/O: PUR3002755 OF 04/SEP/24			A07
Product Description				
HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED.				

L=Longitudinal		T=Transverse	B=Body	W=Weld	KV=Charpy V-Notch	HV=Hardness Vickers(10Kg Load)	DT=Drop Weight Tear Test												
Item No.	B08 Number of Pieces	B09-B12 Product Dimensions (in)			B07 Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process		C70
							C01 C02 C10	C11 Yield Stress Re (psi)	C12 Tensile Strength Rm (psi)	C13 Elong A% 2IN	D02 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb	C50-C69 D02-D99	
							Other Tests												
																FLATTENING TEST SATISFACTORY ULTRASONIC TESTS SATISFACTORY TENSILE TEST PIECE: RECTANGULAR 330MM X 38.1MM X ACTUAL WALL THICK BODY CVN:15FT-LB AVE / 12FT-LB IND (MIN) UT REF INDICATOR:OD/ID LONGITUDINAL NOTCHES N10. WELD SEAM NORMALISED 900C MIN. CE (PCM): 0.25% MAX IF C=< 0.12% CE (IIW): 0.43% MAX IF C> 0.12% STEELMAKING/COIL ROLLING: TATA STEEL PORT TALBOT UK PIPE MANUFACTURING: TATA STEEL HARTLEPOOL UK COUNTRY OF MELT AND POUR: UK			

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV				
Cast No.																							

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.

CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.

CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.

Z02
A05



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road
Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteelurope.com

INSPECTION CERTIFICATE

EN10204 Type 3.1

A02

Page No. 02 of 03

Date	31/01/25	Z02
Cert No.	280/2505/0356	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	GXM447420	Works	7359	A08
Sales				
Customer Order No.	P/O: PUR3002755 OF 04/SEP/24			A07
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED.				

L=Longitudinal		T=Transverse	B=Body	W=Weld	KV=Charpy V-Notch		HV=Hardness Vickers(10Kg Load)		DT=Drop Weight Tear Test													
Item No.	B08 Number of Pieces	B09-B12 Product Dimensions (in)			B07 Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process		C70			
							C01 C02 C10	Yield Stress Re (psi)	C11 Tensile Strength Rm (psi)	C12 Elong A% 2IN	C13 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb	C50-C69 D02-D99				
		Other Tests																				
11	30	18.000IN OD X 0.375IN 42' 0"-43' 6" 1279'10"			7T33654	0315205	W T B T	69908 RATIO	100656 95580 .73	31	2320 5.0 SECS	T B T B T B	KV KV KV KV	7.5 7.5 7.5 7.5	00 -46 00 -46	69 66 62 56 48 43 59 58 57 33 40 46	66 49 58 40	% SHEAR = 100:100:100 = 100 % SHEAR = 085:070:070 = 075 % SHEAR = 100:100:100 = 100 % SHEAR = 080:090:095 = 088				

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV	PCM		
Cast No.																						
7T33654 LADLE		.11	.199	1.56	.012	.002	.019	.001	.011	.039	.0002	.010	.0057	.000	.047	.002	.003	.058	.38	.20		
7T33654 PROD		.11	.202	1.58	.012	.001	.020	.002	.012	.043	.0003	.010	.0058	.000	.050	.002	.003	.062	.39	.21		
7T33654 PROD		.11	.201	1.57	.011	.001	.019	.003	.012	.043	.0004	.010	.0049	.000	.050	.002	.003	.061	.39	.21		
7T33658 LADLE		.10	.200	1.47	.013	.002	.061	.001	.016	.034	.0002	.032	.0043	.000	.044	.003	.003	.057	.37	.19		
7T33658 PROD		.11	.202	1.51	.013	.001	.058	.003	.018	.035	.0003	.034	.0041	.000	.049	.003	.002	.061	.39	.20		
7T33658 PROD		.11	.203	1.51	.013	.001	.058	.003	.018	.035	.0003	.034	.0038	.000	.049	.003	.002	.061	.39	.21		

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.

CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.

CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.

Z02
A05



A04

Tata Steel UK Limited

20" H.F.I Mill
Brenda Road
Hartlepool Cleveland UK TS25 2EG

A01

Telephone: + 44 (0) 1429 266611
Email: tubesalesUK@tatasteelurope.com

INSPECTION CERTIFICATE EN10204 Type 3.1

A02

Page No. 03 of 03

Date	31/01/25	Z02
Cert No.	280/2505/0356	A03
Del. Note		

Customer	A06
TATA INTERNATIONAL METALS (AMERICAS) LIMITED	
475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173, USA	

Quality Management System
Approved to ISO 9001

Tata Steel Ref.No.	GXM447420	Works	7359	A08
Sales				
Customer Order No.	P/O: PUR3002755 OF 04/SEP/24			A07
Product Description HIGH FREQUENCY INDUCTION WELDED STEEL TUBES GRADE X65M TO API 5L 46TH EDITION, PSL2. MEETS THE REQUIREMENTS OF EN ISO 15156-2 / NACE MR0175 ANNEX A.2 AND EN ISO 17945 / NACE MR0103 13.1.1. CHARPY IMPACT TESTED ON ALL HEAT NUMBERS AT +32 DEGREES FAHRENHEIT (0 DEGREES CELSIUS) ON THE PIPE BODY. WELD SEAM ULTRASONICALLY TESTED.				

L=Longitudinal		T=Transverse	B=Body	W=Weld	KV=Charpy V-Notch	HV=Hardness Vickers(10Kg Load)	DT=Drop Weight Tear Test											
Item No.	B08 Number of Pieces	B09-B12 Product Dimensions (in)		B07 Cast/Heat No.	Pipe No.	Tensile Test					Impact/Hardness Tests					Steel Making Process		C70 C50-C69 D02-D99
						C01 C02 C10	C11 Yield Stress Re (psi)	C12 Tensile Strength Rm (psi)	C13 Elong A% 2IN	D02 Hydro Pressure (psi)	C01 C02	C40 C30 Test Type	C41 Width (mm)	C03 Temp (C)	C42 C31 Values Ft Lb	C43 C32 Ave Ft Lb		
						Other Tests												
11	13	18.000IN OD X 0.375IN 42' 0"-43' 6" 544' 0"		7T33658	0315505	W T B T	68748 RATIO	96015 .72	32	2320 5.0 SECS	T B T B	KV	7.5	00	48 56 52	52	% SHEAR = 095:100:100 = 098	
11	13	18.000IN OD X 0.375IN 42' 0"-43' 6" 555' 0"		7T33773	0315407	W T B T	71939 RATIO	100366 .72	26	2320 5.0 SECS	T B T B	KV	7.5	00	27 27 19	27	% SHEAR = 100:100:100 = 100	
															16 17		% SHEAR = 075:070:070 = 072	
***	*****	*****		*****	*****	END OF TEST CERTIFICATE					*****					*****	*****	

C71-C99	Analysis %	C	SI	MN	P	S	CR	MO	NI	AL	B	CU	N	CA	NB	SN	TI	V	CEV	PCM		
Cast No.																						
7T33773 LADLE		.11	.165	1.53	.017	.006	.045	.001	.023	.040	.0002	.052	.0031	.000	.044	.002	.001	.061	.39	.21		
7T33773 PROD		.11	.165	1.55	.016	.005	.044	.004	.024	.042	.0002	.053	.0024	.000	.046	.003	.001	.063	.40	.21		
7T33773 PROD		.11	.164	1.53	.015	.004	.043	.004	.025	.043	.0002	.053	.0029	.000	.044	.003	.001	.063	.40	.21		

Code Numbers in accordance with EN 10168 (see overleaf).
Alterations to this document or its use for other products shall be regarded as falsification of documents and be subject to criminal jurisdiction.

CE & UKCA marking under the CPR 305/2011/EU and S.I. 2019 No. 456 respectively shown on Hartlepool 20" mill inspection documents are affixed according to harmonized standards EN 10210-1 & EN 10219-1 only.
Hartlepool 20" mill Quality System complies with Annex 1 para 4.3 of 2014/68/EU (PED) and S.I. 2016 No. 1105.
Note - only tubes in accordance with EN 10217 (TR1 grades excluded) have a presumption of conformity with the PED.

Z01 The products covered by this inspection document are certified by Tata Steel UK Limited and comply with the requirements of the Order Acknowledgement.

CHRIS STEVENS
Section Manager Technical
This document has been prepared by a computer system and is valid without signature.
18 Grosvenor Place London SW1X 7HS Company Reg.No.02280000.

Z02
A05