

**Customer / Contract No:** SWANENBERG BUIZEN BV  
ZEELANDESDREEF 2 ,5374 RR SCHAIJK  
The Netherlands  
**Pipe Spec. and description :** LONGITUDINALLY WELDED STEEL PIPES ACCORDING TO API 5L SPECIFICATION FROM EXISTING PRIME STOCK

**Dimension:** O.D. MM X W.T. MM GRADE  
508MM X 11,20MM X65M PSL2  
**Quantity :** PIECES: 101 METERS: 1209,37 WEIGHT IN M.T. : 165,284  
**Certificate No:** 1258  
**Date:** 30/5/2017  
**Revision:** 0  
**Page :** 1/1  
**Process Sheet No / subNo:** H753/K

**Test results are indicated in the attached documents:**

**Tensile report No:** 6038 (2 Pages)  
**Impact report No:** 5835 (2 Pages)  
**Chemical report No:** 6059 (2 Pages)

-All pipes passed a hydrostatic test at: 193 bar for 10 sec minimum.  
-Flattening test carried out according to the specification with acceptable results  
-All pipes have undergone a weld seam normalizing heat treatment with min temperature 870°C  
-Visual / dimensional inspection according to specification  
-Weld seam UT inspection according to specification .  
(reference standard: 2XN5 nothes)

We hereby certify that the material described herein has been made in accordance with the applicable standard and the customer's requirements

**REMARKS**

**THIRD PARTY INSPECTOR**

NAME:  
DATE:  
SIGNATURE:

**CUSTOMER'S INSPECTOR**

NAME:  
DATE:  
SIGNATURE:

**CLIENT / CLIENT'S REPRESENTATIVE**

NAME:  
DATE:  
SIGNATURE:

**CPW QUALITY DEPARTMENT**





CORINTH PIPEWORKS  
P I P E S T R U C T U R E S A

ΣΥΣΤΗΜΑ ΔΙΑΧΕΙΡΙΣΗΣ ΠΟΙΟΤΗΤΑΣ  
(Quality Management System)

CPW-T-HSJ-190.0.1 Rev.2

A/A(S/N): 6038

HM/NIA(Date): 11/5/2017

ΔΕΛΤΙΟ ΔΟΚΙΜΩΝ ΕΦΕΛΚΥΣΙΜΟΥ ΚΑΙ ΣΚΛΗΡΟΜΕΤΡΗΣΕΩΝ (TENSILE AND HARDNESS TEST REPORT )

Πελάτης/Customer	SWANENBERG BUIZEN BV	Εντολή Παραγωγής/PSN	H753/K
Προδιαγραφή/Spec	API 5L	Οδηγία/Procedure	CPW-T-HSJ-190.0
Διάσταση/Size	20" (508,0mm ) x 11,20 mm	Ποιότητα/Grade	X65M PSL2



ΔΕΛΤΙΟ ΔΟΚΙΜΩΝ ΚΡΟΥΣΗΣ (IMPACT TEST REPORT)

Πελάτης/Customer	SWANENBERG BUIZEN BV	Εντολή Παραγωγής/PSN	H753/K
Προδιαγραφή/Spec	API 5L	Οδηγία/Procedure	CPW-T-HSJ-190.0
Διάσταση/Size	20" (508,0mm ) x 11,20 mm	Ποιότητα/Grade	X65M PSL2





ΣΥΣΤΗΜΑ ΔΙΑΧΕΙΡΙΣΗΣ ΠΟΙΟΤΗΤΑΣ  
Quality Management System

CPW-T-HSJ-190.0.3 Rev.2

A/A(S/N): 5835

HM/NIA(Date): 11/5/2017

ΔΕΛΤΙΟ ΔΟΚΙΜΩΝ ΚΡΟΥΣΗΣ (IMPACT TEST REPORT)

Run Coil No	Spec Limits	Coil No	Heat No	L or T	Te mp		0 °C		Size		10X10X55		mm		Weid						Pipe Counter per Heat		
					Body				Av				Weid-2				Weid-5				Av		Pipe No
					J	%	J	%	J	%	J	%	J	%	J	%	J	%	J	%	J	%	
32	7726063	730026865	T 414	100	388	100	380	100	394	100													537 \ 52 \ 10
282	0126081	730027339	T 360	100	333	100	396	100	360	100													5528 \ 282 \ 5
287	0111043	730027317	T 436	100	391	100	383	100	403	100													5634 \ 287 \ 7
432	0141020	730026863	T 445	100	437	100	442	100	441	100													8635 \ 432 \ 9
594	0126082	730027317	T 428	100	414	100	402	100	415	100													11999 \ 594 \ 6
772	0127048	730027317	T 432	100	417	100	438	100	429	100													15701 \ 772 \ 6

L: Longitudinal specimen

T: Transverse specimen

ΔΕΛΤΙΟ ΧΗΜΙΚΩΝ ΑΝΑΛΥΣΕΩΝ (CHEMICAL ANALYSIS REPORT)

Πελάτης/Customer	SWANENBERG BUIZEN BV	Εντολή Παραγωγής/PSN	H753/K
Προδιαγραφή/Spec	API 5L	Οδηγία/Procedure	CPW-T-HSJ-190.0
Διάσταση/Size	20" (508,0mm ) x 1.,20 mm	Ποιότητα/Grade	X65M PSL2

ΔΕΛΤΙΟ ΧΗΜΙΚΩΝ ΑΝΑΛΥΣΕΩΝ (CHEMICAL ANALYSIS REPORT)

Run Coil No	Coil No	Heat No	C%	Mn%	P%	S%	Si%	Cr%	Ni%	Mo%	Cu%	Ti%	Nb%	V%	Al%	Sn%	Ca%	N%	B%	PCM%			Nb+V +Ti%	Cr+Mo +Ni +Cu%	A/I/N	Sample from	Pipe Counter per Heat
																				X	1000	100					
	Spec	min																									
	Limits	max	12,00	160,00	25,00	15,00	45,00	60,00	50,00	50,00	50,00									1,00	25,00	43,00	0,15				
32	7725063	730026655	4,11	106,42	9,40	2,00	19,28	1,75	19,57	0,57	2,12	0,39	63,60	33,20	37,70	1,80	3,03	6,50	0,10	11,00	24,40	0,10	0,24	5,80	637\32\10		
32	7725063	730026655	4,04	106,37	9,40	1,60	19,36	1,73	19,59	0,58	2,11	0,39	63,60	33,20	37,40	1,80	2,88	7,10	0,10	10,90	24,30	0,10	0,24	5,27	638\32\11		
32	7725063	730026655	4,06	106,32	9,30	1,70	19,37	1,75	19,66	0,58	2,12	0,39	63,50	33,30	37,90	1,90	2,88	6,80	0,10	10,90	24,40	0,10	0,24	5,57	Heel		
282	0125081	730027339	3,87	106,66	10,00	0,70	18,67	1,22	20,24	0,59	1,42	0,29	63,00	34,10	33,30	1,40	2,77	4,30	0,10	10,70	24,10	0,10	0,23	7,74	5528\282\5		
282	0125081	730027339	3,91	107,14	10,40	0,70	18,62	1,20	20,18	0,56	1,41	0,30	64,10	34,30	33,60	1,60	2,82	4,30	0,10	10,70	24,20	0,10	0,23	7,81	5529\282\6		
282	0125081	730027339	3,80	106,38	9,60	0,80	18,43	1,22	20,04	0,56	1,41	0,29	61,30	34,20	33,80	1,40	3,02	3,80	0,10	10,60	24,00	0,10	0,23	8,89	Heel		
287	0111043	730027317	3,96	108,38	10,00	0,80	17,96	1,66	19,39	0,47	2,84	0,33	63,10	32,90	34,70	1,40	3,24	4,00	0,10	10,90	24,60	0,10	0,24	8,67	5634\287\7		
287	0111043	730027317	4,03	107,39	10,00	0,90	18,07	1,66	19,36	0,49	2,82	0,34	63,30	32,90	34,90	1,40	3,69	4,60	0,10	10,90	24,50	0,10	0,24	7,59	5635\287\8		
287	0111043	730027317	3,73	107,82	9,50	0,60	18,00	1,65	19,30	0,49	2,83	0,33	62,20	32,50	34,40	1,20	3,07	4,30	0,10	10,60	24,30	0,10	0,24	8,00	Heel		
432	0141020	730026663	4,05	110,89	9,00	1,40	19,92	1,83	19,27	0,34	2,21	0,62	64,30	35,20	33,60	2,30	3,02	6,90	0,10	11,20	25,10	0,10	0,24	4,87	8635\432\9		
432	0141020	730026663	4,06	111,35	9,00	1,50	20,16	1,83	19,59	0,34	2,25	0,63	65,40	35,40	34,00	2,50	2,71	6,70	0,10	11,20	25,20	0,11	0,24	5,07	8636\432\10		
432	0141020	730026663	4,08	111,61	9,20	1,40	20,14	1,81	19,54	0,33	2,25	0,63	65,70	35,50	33,80	2,30	2,71	7,40	0,10	11,20	25,30	0,11	0,24	4,57	Heel		



**Customer / Contract No:** SWANENBERG BUIZEN BV  
ZEELANDESDREEF 2 ,5374 RR SCHAIJK  
The Netherlands

**Pipe Spec. and description :** LONGITUDINALLY WELDED STEEL PIPES ACCORDING TO API 5L SPECIFICATION FROM EXISTING PRIME STOCK

**Dimension:** O.D. MM X W.T. MM GRADE X70M PSL2  
508MM X 11,20MM

**Quantity :** PIECES: 58 METERS: 1.209 WEIGHT IN M.T. : 95,925

**Certificate No:** 1257  
**Date:** 30/5/2017  
**Revision:** 0  
**Page :** 1/1  
**Process Sheet No/subNo:** H753/1

**Test results are indicated in the attached documents:**

**Tensile report No:** 6037 (2 Pages)  
**Impact report No:** 5834 (2 Pages)  
**Chemical report No:** 6058 (2 Pages)

-All pipes passed a hydrostatic test at: 193 bar for 10 sec minimum.  
-Flattening test carried out according to the specification with acceptable results  
-All pipes have undergone a weld seam normalizing heat treatment with min temperature 870°C  
-Visual / dimensional inspection according to specification  
-Weld seam UT inspection according to specification .  
(reference standard: 2XN5 nothes)

We hereby certify that the material described herein has been made in accordance with the applicable standard and the customer's requirements

**REMARKS**

**THIRD PARTY INSPECTOR**

NAME:  
DATE:  
SIGNATURE:

**CUSTOMER'S INSPECTOR**

NAME:  
DATE:  
SIGNATURE:

**CLIENT / CLIENT'S REPRESENTATIVE**

NAME:  
DATE:  
SIGNATURE:


**CPW QUALITY DEPARTMENT**





**Customer / Contract No:** SWANENBERG BUITZEN BV  
ZEELANDESDREEF 2 , 5374 RR SCHAIJK  
The Netherlands  
**Pipe Spec. and description :** LONGITUDINALLY WELDED STEEL PIPES ACCORDING TO API 5L SPECIFICATION FROM EXISTING PRIME STOCK

**Dimension:** O.D. MM X W.T. MM GRADE 1257  
508MM X 11,20MM X70M PSL2 30/5/2017  
Revision: 0  
Page : 1/1  
**Quantity :** PIECES: 58 METERS: 1.209 WEIGHT IN M.T. : 95,925  
Process Sheet No/subNo: H753/1

Test results are indicated in the attached documents:		REMARKS
Tensile report No:	6037 (2 Pages)	
Impact report No:	5834 (2 Pages)	
Chemical report No:	6058 (2 Pages)	
-All pipes passed a hydrostatic test at: 193 bar for 10 sec minimum. -Flattening test carried out according to the specification with acceptable results -All pipes have undergone a weld seam normalizing heat treatment with min temperature 870°C -Visual / dimensional inspection according to specification -Weld seam UT inspection according to specification . (reference standard: 2XN5 nothes)		We hereby certify that the material described herein has been made in accordance with the applicable standard and the customer's requirements
<b>THIRD PARTY INSPECTOR</b> NAME: DATE: SIGNATURE:	<b>CUSTOMER'S INSPECTOR</b> NAME: DATE: SIGNATURE:	<b>CLIENT / CLIENT'S REPRESENTATIVE</b> NAME: DATE: SIGNATURE:
		<b>CPW QUALITY DEPARTMENT</b> 

ΔΕΛΤΙΟ ΔΟΚΙΜΩΝ ΚΡΟΥΣΗΣ (IMPACT TEST REPORT)

Πελάτης/Customer	SWANENBERG BUIZEN BV	Εντολή Παραγωγής/PSN	H753/1, H753/2, H753/6, H753/7
Προδιαγραφή/Spec	API 5L	Οδηγία/Procedure	CPW-T-HSJ-190.0
Διάσταση/Size	20" (508mm) x 11,20 mm	Ποιότητα/Grade	X70M PSL2



ΔΕΛΤΙΟ ΔΟΚΙΜΩΝ ΚΡΟΥΣΗΣ (IMPACT TEST REPORT)

Run	Coil No	Coil No	Heat No min max	Te mp	0 °C	Size 10X10X55 mm	Body												Weld												Weld+2												Weld+5												Pipe No	Pipe Counter per Heat			
							J		%		J		%		J		%		J		%		J		%		J		%		J		%		J		%		J		%		J		%														
							20	20	100	100	380	380	100	100	394	394	100	100	422	422	100	100	360	360	100	100	339	339	100	100	426	426	100	100	374	374	100	100	441	441	100	100	409	409	100	100	408	408	100	100	411	411	100	100			241	241	100
32	7726063	730026655	T	414	100	388	100	388	100	380	100	394	100	422	100	360	100	339	100	426	100	374	100	441	100	409	100	408	100	411	100	241	100	409	100	416	100	637 \ 32 \ 10																					
36	7757087	730026603	T	445	100	434	100	388	100	388	100	422	100																											714 \ 36 \ 7																			
282	0126081	730027339	T	350	100	333	100	396	100	396	100	360	100																										5528 \ 282 \ 5																				
290	7826049	730018398	T	358	100	354	100	306	100	306	100	339	100																										5702 \ 290 \ 12																				
336	0103054	730018516	T	432	100	419	100	426	100	426	100	426	100																										6702 \ 339 \ 7																				
348	0134028	730127407	T	359	100	366	100	374	100	374	100	366	100																										6893 \ 348 \ 8																				
432	0141020	730026863	T	445	100	437	100	442	100	442	100	441	100																										8635 \ 432 \ 9																				
433	0215076	730127694	T	431	100	417	100	409	100	409	100	419	100																											8654 \ 433 \ 7																			
534	7636023	730026603	T	446	100	429	100	427	100	427	100	434	100																											10740 \ 534 \ 5																			
549	7826080	730018398	T	438	100	441	100	427	100	427	100	435	100																											11053 \ 549 \ 4																			
561	0134047	730127407	T	415	100	409	100	399	100	399	100	408	100																											11309 \ 561 \ 8																			
566	0132046	730018518	T	395	100	416	100	421	100	421	100	411	100																											11452 \ 566 \ 5																			
666	0205075	730127694	T	234	100	252	100	238	100	238	100	241	100																											13511 \ 666 \ 21																			
729	0207090	730127694	T	423	100	417	100	409	100	409	100	416	100																											14796 \ 729 \ 5																			

L: Longitudinal specimen T: Transverse specimen

ΔΕΛΤΙΟ ΔΟΚΙΜΩΝ ΕΦΕΛΚΥΣΜΟΥ ΚΑΙ ΣΚΛΗΡΟΜΕΤΡΗΣΕΩΝ ( TENSILE AND HARDNESS TEST REPORT )

Πελάτης/Customer	SWANENBERG BUIZEN BV	Εντολή Παραγωγής/PSN	H753/1
Προδιαγραφή/Spec	API 5L	Οδηγία/Procedure	CPW-T-HSJ-190.0
Διάσταση/Size	20" ( 508mm ) x 11,20 mm	Ποιότητα/Grade	X70M PSL2





ΣΥΣΤΗΜΑ ΔΙΑΧΕΙΡΙΣΗΣ ΠΟΙΟΤΗΤΑΣ  
(Quality Management System)

CPW-T-HSJ-190.0.1 Rev.2

A/A(S/N): 6037

HM/NIA(Date): 11/5/2017

ΔΕΛΤΙΟ ΔΟΚΙΜΩΝ ΕΦΕΛΚΥΣΜΟΥ ΚΑΙ ΣΚΛΗΡΟΜΕΤΡΗΣΕΩΝ (TENSILE AND HARDNESS TEST REPORT)

Run Coil No	Coil No	Heat No	Raw Material		Pipe					Spec. Size For Weld test mm	Hardness Max HV10			Pipe Counter per Heat							
			Specim Size mm	Yield Strength MPa	Tensile Strength MPa	Eig. % G.L.	L/ T	Yield Strength MPa	Tensile Strength MPa		Body YS/TS	Eig. % G.L.	Weld(T) Tensile MPa		Weld Eig. % G.L.	HAZ	Base	Weild	Bend Test	Pipe No	
		Spec Limits	min max																		
32	7726063	730026655						485	570												
36	7757087	730026603					635	760	0.93												
282	0126081	730027339					502	577	0.87												637 \ 32 \ 10
290	7826049	730018398					495	579	0.85												714 \ 36 \ 7
339	0103054	730018518					494	580	0.85												5528 \ 282 \ 5
348	0134028	730127407					533	627	0.85												5702 \ 290 \ 12
432	0141020	730026863					533	607	0.88												6702 \ 339 \ 7
433	0215076	730127694					512	595	0.86												6893 \ 348 \ 8
534	7636023	730026603					505	617	0.82												8635 \ 432 \ 9
549	7826080	730018398					505	607	0.83												8654 \ 433 \ 7
561	0134047	730127407					518	593	0.87												10740 \ 534 \ 5
568	0132046	730018518					504	585	0.86												11053 \ 549 \ 4
666	0205075	730127694					500	580	0.86												11309 \ 561 \ 8
729	0207090	730127694					500	596	0.84												11452 \ 568 \ 5
							501	609	0.82												13511 \ 666 \ 21
							513	610	0.84												14796 \ 729 \ 5

L: Longitudinal

T: Transverse

YS: Yield Strength

TS: Tensile Strength

EL: Elongation



CORINTH PIPEWORKS

ΣΥΣΤΗΜΑ ΔΙΑΧΕΙΡΙΣΗΣ ΠΟΙΟΤΗΤΑΣ  
(Quality Management System)

CPW-T-HSJ-190.0.2 Rev.2

A/A(S/N): 6058

ΗΜ/ΝΙΑ(Date): 11/5/2017

ΔΕΛΤΙΟ ΧΗΜΙΚΩΝ ΑΝΑΛΥΣΕΩΝ (CHEMICAL ANALYSIS REPORT)

Πελάτης/Customer	SWANENBERG BUIZEN BV	Έντολή Παραγωγής/P SN	H753/1
Προδιαγραφή/Spec	API 5L	Οδηγία/Procedure	CPW-T-HSJ-190.0
Διάσταση/Size	20" (508mm ) x 11,20 mm	Ποιότητα/Grade	X70M PSL2





ΔΕΛΤΙΟ ΧΗΜΙΚΩΝ ΑΝΑΛΥΣΕΩΝ (CHEMICAL ANALYSIS REPORT)

Run Coil No	Coil No	Heat No	C%	Mn%	P%	S%	Si%	Cr%	Ni%	Mo%	Cu%	Ti%	Nb%	V%	Al%	Sn%	Ca%	N%	B%	PCM%			ITW%			Nb+V +Ti%	Cr+Mo +Ni +Cu%	AI/N	Sample from	Pipe Counter per Heat	
																				X	1000	100	X	1000	100						X
Spec Limits		min	max	175,00	25,00	15,00	45,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00
32	7726063	730026655	4,11	106,42	9,40	2,00	19,28	1,75	19,57	0,57	2,12	0,39	63,60	33,20	37,70	1,80	3,03	6,50	0,10	1,00	25,00	43,00	0,15	0,10	0,24	5,80	637\32\10				
32	7726063	730026655	4,04	106,37	9,40	1,80	19,38	1,73	19,59	0,58	2,11	0,39	63,80	33,20	37,40	1,80	2,88	7,10	0,10	1,00	10,90	24,30	0,10	0,24	5,27	638\32\11					
32	7726063	730026655	4,06	106,32	9,30	1,70	19,37	1,75	19,66	0,58	2,12	0,39	63,50	33,30	37,90	1,90	2,88	6,80	0,10	1,00	10,90	24,40	0,10	0,24	5,57	Heat					
36	7757087	730026603	4,37	108,42	9,50	1,40	19,54	1,40	19,49	0,52	1,88	0,30	65,70	32,30	32,20	1,60	2,52	5,40	0,10	1,00	11,30	24,90	0,10	0,23	5,96	714\36\17					
36	7757087	730026603	4,20	108,51	9,30	1,40	19,75	1,41	19,63	0,52	1,88	0,30	65,90	32,20	32,20	1,50	2,40	5,20	0,10	1,00	11,10	24,70	0,10	0,23	6,19	715\36\18					
36	7757087	730026603	4,33	108,51	9,40	1,80	19,71	1,42	19,59	0,51	1,89	0,31	66,10	32,10	32,40	1,50	2,45	4,80	0,10	1,00	11,30	24,90	0,10	0,23	6,75	Heat					
282	0126081	730027339	3,87	106,68	10,00	0,70	18,67	1,22	20,24	0,59	1,42	0,29	63,00	34,10	33,30	1,40	2,77	4,30	0,10	1,00	10,70	24,10	0,10	0,23	7,74	5528\282\5					
282	0126081	730027339	3,91	107,14	10,40	0,70	18,62	1,20	20,18	0,56	1,41	0,30	64,10	34,30	33,60	1,60	2,82	4,30	0,10	1,00	10,70	24,20	0,10	0,23	7,81	5529\282\6					
282	0126081	730027339	3,80	106,38	9,60	0,80	18,43	1,22	20,04	0,56	1,41	0,29	61,30	34,20	33,80	1,40	3,02	3,80	0,10	1,00	10,60	24,00	0,10	0,23	8,89	Heat					
290	7826049	730018398	4,12	108,18	12,10	0,50	18,85	1,48	19,94	0,84	2,95	0,30	66,80	32,70	38,30	1,50	2,85	4,70	0,10	1,00	11,10	24,80	0,10	0,25	8,15	5702\290\12					
290	7826049	730018398	4,23	108,05	12,40	0,60	18,73	1,46	19,84	0,86	2,94	0,30	66,90	32,90	38,30	1,60	3,08	4,50	0,10	1,00	11,20	24,90	0,10	0,25	8,51	5703\290\13					
290	7826049	730018398	3,94	108,74	11,80	0,40	18,87	1,48	19,90	0,86	2,96	0,30	66,60	32,60	38,30	1,30	2,95	4,40	0,10	1,00	10,90	24,70	0,10	0,25	8,70	Heat					
339	0103054	730018518	3,94	106,85	9,80	0,60	19,08	3,63	19,82	0,21	1,58	0,40	65,30	32,90	36,40	1,20	3,06	5,00	0,10	1,00	10,80	24,60	0,10	0,25	7,28	6702\339\7					
339	0103054	730018518	3,88	107,60	8,90	0,50	18,72	3,63	20,04	0,20	1,58	0,40	63,20	32,90	37,00	1,50	3,00	7,10	0,10	1,00	10,80	24,70	0,10	0,25	5,21	6703\339\8					
339	0103054	730018518	3,92	106,98	9,80	0,50	19,09	3,63	20,02	0,19	1,59	0,40	65,40	32,90	36,70	1,30	2,84	4,50	0,10	1,00	10,80	24,60	0,10	0,25	8,16	Heat					
348	0134028	730127407	4,22	106,46	10,30	0,80	18,40	1,49	19,49	0,10	1,57	0,31	61,30	33,00	32,90	1,70	3,06	6,80	0,10	1,00	11,00	24,30	0,10	0,23	4,84	6893\348\8					
348	0134028	730127407	4,39	107,32	10,80	1,00	18,48	1,49	19,86	0,10	1,60	0,31	62,70	33,40	33,30	2,00	3,09	6,60	0,10	1,00	11,20	24,70	0,10	0,23	5,05	6894\348\9					
348	0134028	730127407	4,41	105,82	10,60	1,00	18,52	1,47	19,63	0,10	1,57	0,31	62,10	33,10	33,00	1,90	3,04	7,60	0,10	1,00	11,10	24,40	0,10	0,23	4,34	Heat					
432	0141020	730026863	4,05	110,89	9,00	1,40	19,92	1,83	19,27	0,34	2,21	0,52	64,30	35,20	33,60	2,30	3,02	6,90	0,10	1,00	11,20	25,10	0,10	0,24	4,87	8635\432\9					
432	0141020	730026863	4,06	111,35	9,00	1,50	20,16	1,83	19,56	0,34	2,25	0,53	65,40	35,40	34,00	2,50	2,71	6,70	0,10	1,00	11,20	25,20	0,11	0,24	5,07	8636\432\10					
432	0141020	730026863	4,08	111,61	9,20	1,40	20,14	1,81	19,54	0,33	2,25	0,53	65,70	35,50	33,80	2,30	2,71	7,40	0,10	1,00	11,20	25,30	0,11	0,24	4,57	Heat					
433	0215076	730127694	4,00	105,80	9,10	1,30	19,62	1,84	20,15	1,07	2,41	0,37	68,30	33,50	41,80	1,10	2,80	6,60	0,10	1,00	10,90	24,60	0,11	0,25	6,33	8654\433\7					
433	0215076	730127694	4,05	105,51	9,20	1,30	19,37	1,84	20,13	1,06	2,39	0,36	67,40	33,60	42,30	1,50	2,77	6,70	0,10	1,00	11,00	24,60	0,10	0,25	6,31	8655\433\8					
433	0215076	730127694	4,09	106,84	9,10	1,20	19,34	1,83	20,11	1,07	2,40	0,36	68,20	33,70	42,10	1,20	2,91	6,30	0,10	1,00	11,00	24,60	0,11	0,25	6,68	Heat					

**Customer / Contract No:** SWANENBERG BUIZEN BV  
ZEELANDESDREEF 2 ,5374 RR SCHAIJK  
The Netherlands

**Pipe Spec. and description :** LONGITUDINALLY WELDED STEEL PIPES ACCORDING TO API 5L SPECIFICATION FROM EXISTING PRIME STOCK

**Dimension:** O.D. MM X W.T. MM GRADE 1256  
508MM X 11,20MM X70M PSL2 30/5/2017  
**Revision:** 0  
**Page :** 1/1

**Quantity :** PIECES: 21 METERS: 314,73 WEIGHT IN M.T. : 42,950

**Test results are indicated in the attached documents:**

- Tensile report No: 6036 (3 Pages)
- Impact report No: 5833 (2 Pages)
- Chemical report No: 6057 (2 Pages)

- All pipes passed a hydrostatic test at: 193 bar for 10 sec minimum.
- Flattening test carried out according to the specification with acceptable results
- All pipes have undergone a weld seam normalizing heat treatment with min temperature 870°C
- Visual / dimensional inspection according to specification
- Weld seam UT inspection according to specification .
- (reference standard: 2XN5 nothes)

We hereby certify that the material described herein has been made in accordance with the applicable standard and the customer's requirements

**REMARKS**

THIRD PARTY INSPECTOR	CUSTOMER'S INSPECTOR	CLIENT / CLIENT'S REPRESENTATIVE	CPW QUALITY DEPARTMENT
NAME: DATE: SIGNATURE:	NAME: DATE: SIGNATURE:	NAME: DATE: SIGNATURE:	CORINTH PIPEWORKS PIPE INDUSTRY SA





ΔΕΛΤΙΟ ΔΟΚΙΜΩΝ ΚΡΟΥΣΗΣ (IMPACT TEST REPORT)

Πελάτης/Customer	SWANENBERG BUIZEN BV	Εντολή Παραγωγής/PSN	H748/1
Προδιαγραφή/Spec	API 5L	Οδηγία/Procedure	CPW-T-HSJ-190.0
Διάσταση/Size	20" (508mm ) x 11,20 mm	Ποιότητα/Grade	X70M PSL2

**ΔΕΛΤΙΟ ΔΟΚΙΜΩΝ ΚΡΟΥΣΗΣ (IMPACT TEST REPORT)**

Run Coil No	Coil No	Heat No	ur	Te mp		0 °C		Size		10X10X55		mm		Weld		Weld+2		Weld+5		Av		Pipe No		
				J	%	J	%	J	%	J	%	J	%	J	%	J	%	J	%	J	%		J	%
				20	20	20	20	27	100	354	100	310	100	401	100	400	100	400	100	400	100		400	100
2	7614037	730026441	T	397	100	354	100	310	100	354	100	400	100									28 \ 2 \ 10		
3	7732044	730026402	T	402	100	398	100	401	100	400	100	400	100									39 \ 3 \ 4		

L: Longitudinal specimen

T: Transverse specimen



CORINTH PIPEWORKS

ΣΥΣΤΗΜΑ ΔΙΑΧΕΙΡΙΣΗΣ ΠΟΙΟΤΗΤΑΣ  
(Quality Management System)

CPW-T-HSJ-190.0.1 Rev.2

A/A(S/N): 6036

HM/NIA(Date): 11/5/2017

ΔΕΛΤΙΟ ΔΟΚΙΜΩΝ ΕΦΕΛΚΥΣΜΟΥ ΚΑΙ ΣΚΛΗΡΟΜΕΤΡΗΣΕΩΝ (TENSILE AND HARDNESS TEST REPORT )

Πελάτης/Customer	SWANENBERG BUIZEN BV	Εντολή Παραγωγής/PSN	H748/1
Προδιαγραφή/Spec	API 5L	Οδηγία/Procedure	CPW-T-HSJ-190.0
Διάσταση/Size	20" (508mm ) x 11,20 mm	Ποιότητα/Grade	X70M PSL2

ΔΕΛΤΙΟ ΔΟΚΙΜΩΝ ΕΦΕΛΚΥΣΜΟΥ ΚΑΙ ΣΚΛΗΡΟΜΕΤΡΗΣΕΩΝ (TENSILE AND HARDNESS TEST REPORT)

Run Coil No	Coil No	Heat No	Raw Material				Pipe						Pipe Counter												
			Specim Size		Yield Strength MPa	Tensile Strength MPa	Eig. % G.L.	Specim Size mm	L/ T	Yield Strength MPa	Tensile Strength MPa	Body YS/TS		Eig. % G.L.	Weld Yield Strength MPa	Weld(T) Tensile MPa	Weld Eig. % G.L.	Spec. Size For Weld test mm	Hardness Max HV10			Bend Test			
			mm	min max															HAZ	Base	Weld				
		Spec Limits																							
2	7614037	730026441								485	570	760	0,93	22	570	570									
3	7732044	730026402								520	621	621	0,84	39	594	594	38,24x10,80							29   2   10	
										498	587	587	0,85	37	612	612	38,56x10,65							39   3   4	

L: Longitudinal

T: Transverse

YS: Yield Strength

TS: Tensile Strength

EL: Elongation



**ΔΕΛΤΙΟ ΧΗΜΙΚΩΝ ΑΝΑΛΥΣΕΩΝ (CHEMICAL ANALYSIS REPORT)**

Πελάτης/Customer	SWANENBERG BUIZEN BV	Έντολή Παραγωγής/PSN	H748/1
Προδιαγραφή/Spec	API 5L	Οδηγία/Procedure	CPW-T-HSJ-190.0
Διάσταση/Size	20" (508mm ) x 11,20 mm	Ποιότητα/Grade	X70M PSL2

ΔΕΛΤΙΟ ΧΗΜΙΚΩΝ ΑΝΑΛΥΣΕΩΝ (CHEMICAL ANALYSIS REPORT)

Run Coil No	Coil No	Heat No	C%	Mn%	P%	S%	Si%	Cr%	Ni%	Mo%	Cu%	Ti%	Nb%	V%	Al%	Sn%	Ca%	N%	B%	PCM%	IITW%	Nb+V +Ti%	Cr+Mo +Ni +Cu%	A1/N	Sample from	
																										1000
	Spec Limits	min																								
		max	12,00	176,00	25,00	45,00	50,00	50,00	50,00	50,00	50,00									1,00	25,00	43,00	0,15			
2	7614037	730026441	4,22	109,73	8,60	1,10	20,08	1,26	20,70	0,29	2,53	0,30	64,80	35,40	36,50	2,10	2,70	5,00	0,10	11,30	25,10	0,10	0,25	7,30	28 \ 2 \ 9	
2	7614037	730026441	4,22	109,73	8,60	1,10	20,08	1,26	20,70	0,28	2,53	0,30	64,80	35,40	36,50	2,10	2,70	5,00	0,10	11,30	25,10	0,10	0,25	7,30	29 \ 2 \ 10	
2	7614037	730026441	4,29	109,73	8,70	1,20	19,95	1,28	20,56	0,30	2,52	0,30	63,50	35,00	36,50	2,20	2,76	5,10	0,10	11,30	25,10	0,10	0,25	7,16	Heat	
3	7732044	730026402	3,39	108,83	9,10	0,50	18,57	0,95	20,36	0,26	1,55	0,30	63,00	32,60	39,30	1,60	2,90	4,50	0,10	10,30	23,90	0,10	0,23	8,73	39 \ 3 \ 4	
3	7732044	730026402	3,49	109,08	9,00	0,50	18,48	0,94	20,25	0,25	1,56	0,30	63,20	32,60	39,20	1,90	3,00	4,30	0,10	10,40	24,00	0,10	0,23	9,13	40 \ 3 \ 5	
3	7732044	730026402	3,57	108,36	9,20	0,50	18,54	0,95	20,43	0,26	1,55	0,30	64,00	32,70	39,50	1,80	2,80	4,80	0,10	10,50	24,20	0,10	0,23	8,30	Heat	