



## INSPECTION AND SPECIFICATION REPORT

No. 1506

Customer:	Lacombe
Transportation:	Truck
Destination:	BC
Customer's No.:	LAC 2024161

Feb 21, 2025

## Dan Spiers - in person

Inspector

*David Coyd.*  
Canadian Softwood Inspection Agency, Inc.

March 3, 2025

Date \_\_\_\_\_

[illegible]

\* All timbers received were grade stamped by manufacturer.



Manuf. P / O No.: **LAC # 4161**

Seasoning (MC%):      *Min:* \_\_\_\_\_

*Max:* \_\_\_\_\_

*Ave:* \_\_\_\_\_      **Charge No.:** \_\_\_\_\_

**Charge No.:** \_\_\_\_\_

PENETRATION RESULTS								MATERIAL INSPECTED							
<input checked="" type="checkbox"/> Incised Zone <input type="checkbox"/> Non-incised Zone				<input checked="" type="checkbox"/> mm <input type="checkbox"/> eighths				Process: <input type="checkbox"/> LOWRY <input type="checkbox"/> RUEPING <input checked="" type="checkbox"/> FULL CELL <input type="checkbox"/> REFUSAL							
	DEPTH SAPWOOD	DEPTH PEN	% SAP SAPWOOD		DEPTH SAPWOOD	DEPTH PEN	% SAP SAPWOOD	ITEM	NO. OF PIECES	SIZE / CLASS	LENGTH	<input checked="" type="checkbox"/> Lineal <input type="checkbox"/> Fbm			
1				1				<b>HEMLOCK TIMBERS 2&amp;BTR</b>	<b>384</b>	<b>3 x 12</b>	<b>20</b>	<b>23040</b>			
2				2											
3				3											
4				4											
5				5											
6				6											
7				7											
8				8											
9				9											
0				0											
1				1											
2				2											
3				3											
4				4											
PLEASE NOTE THAT CSI DOES NOT TEST CARRIERS OF PRESERVATIVES. CSI MAKES NO REPRESENTATIONS REGARDING THE COMPOSITION OR SUFFICIENCY OF CARRIERS, AND THE TESTS REFLECTED ON THIS REPORT SHOULD NOT BE RELIED UPON TO MAKE DETERMINATIONS REGARDING THE SUFFICIENCY OF LONG-TERM PERFORMANCE OF THE CARRIERS USED IN THE TESTED MATERIALS.															
PRESERVATIVE								TREATABLE CUBIC FEET IN CHARGE: <b>23040</b>							
<input type="checkbox"/> Creosote <input type="checkbox"/> Pentachlorophenol <input type="checkbox"/> ACZA				<input checked="" type="checkbox"/> CCA <input type="checkbox"/> ACQ <input type="checkbox"/> 50/50 mix				TREATING CYCLE SUMMARY							
RETENTION BY ASSAY								Stage	TIME	MAX. TEMP.	MAX. PRESS.	VACUUM	CONDEN.		
REQUIRED: <input type="checkbox"/> 0.25 <input checked="" type="checkbox"/> 0.40 <input type="checkbox"/> 0.60 <input type="checkbox"/> 10 lbs								Pre-condition							
INCISED ZONE				NON-INCISED ZONE				Initial Vacuum							
Outer	Inner							Bath							
								Boil In Oil							
RETENTION BY GAUGE								Initial Air							
REQUIRED:				GALS.    RETAINED				GALS.							
REQUIRED:				pcf    RETAINED				pcf							
								Pressure							
								Exp Bath							
								Final vacuum							
RUNNING TALLY								Steam / Fix							
NO. OF PIECES REQUIRED:				1080				TOTAL TIME FOR TREATING _____ hrs							
PREVIOUSLY ACCEPTED:				336				MARKING ON ACCEPTED PIECES: <b>CSI 5N</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
ACCEPTED THIS REPORT:				384				<input type="checkbox"/> Random							
TOTAL ACCEPTED TO DATE:				720				REMARKS							
360 Timbers left for LAC #4161 to complete order															
<div style="text-align: center; font-size: 24pt; font-weight: bold;">Inspector - Dan Spiers</div>															

OXFORD LAB-X 2500

POLES ANALYSIS

20/2/2025 18:35

Calibration title: CCA Poles-pcf

SAMPLE ID: 250100

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DENSITY = 25.8 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.45 g

\*\*\*\*\*

%WT OXIDES	%BALANCE
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CR03 = 0.784 %	47.2
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CU0 = 0.292 %	17.6
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AS205 = 0.584 %	35.2
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TOTAL = 1.660 %WT	100.0
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RETENTION

CR03 = 0.202 pcf

CU0 = 0.075 pcf

AS205 = 0.151 pcf

TOTAL= 0.428 pcf

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# RECORD OF PRESSURE TREATMENT Charge No. : 250100

Plant : Prince G	Process : FULL CELL	Preserv.Type : CCA	Concentr. 3.44 %
Cylinder : 3	Operator :EARL	Volume : 1152 C.F.	Moisture : 22.0 %
Specified Net Retention			
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date In (d/m/y): 18/ 02/ 2025	TIME IN : 09:55
		Date Out (d/m/y): 18/ 02/ 2025	TIME OUT : 15:49

Order #	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	BCH WELCO	POLES TIMBERS	WRC DF	1 3X12	50 20	13 96	672.0 480.0

Treating Cycle Summary					
Operation	Start	End	Press./Vac.	Temper.(°F)	Run Time
Initial Vacuum	9.92	10.42	25.2 "hg	52	0.50
Filling	10.42	10.58	0.0 "hg	50	0.16
Soaking	10.58	12.58	0.0 "hg	50	2.00
Vac Release	12.58	12.60	1 "hg	48	0.02
Pressure	12.60	14.10	146 PSI	49	1.51
Press. Release	14.10	14.15	129. PSI	49	0.04
Pump Out	14.15	14.55	0.5 PSI	49	0.41
Final Vacuum	14.55	15.55	24.5 "hg	53	1.00
Vac Release	15.55	15.65	-12 "hg	53	0.10
Final Strip	15.65	15.83	0 "hg	54	0.18
Down Time	0.29 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					5.91 Hrs
Total Cycle (Cycle Running Time + Pause Time)					5.91 Hrs

## Material

Preservative Retention Summary			
Charging Tank Reading	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start A	13.37	51	14768
End Fill for Pressure B	5.43	52	5996
End Pressure Period C	5.07	50	5607
End Final Drain D	13.04	49	14404

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
Gross Retention (B-C)		388	143	0.12
Net Retention (A-D)		364	134	0.12

Pressure Treat to Refusal: 1.00 HRS

Operator : \_\_\_\_\_ Foreman : \_\_\_\_\_

# **RECORD OF PRESSURE TREATMENT** Charge No. : 250100

Plant : Prince G	Process : FIXATION	Preserv.Type : CCA	Concentr. : 3.44 %
Cylinder : 3		Volume : 1152 C.F.	Moisture : 22.0 %
Specified Net Retention			
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date In (d/m/y): 18/ 02/ 2025	TIME IN : 21.93
		Date Out (d/m/y): 19/ 02/ 2025	TIME OUT : 2.22

Treating Cycle Summary					
Operation	Start	End	Temper.(°F)		Run Time
Heating	21.93	22.22		150	0.28
Fixation	22.22	2.22		180	4.00
Down Time	0.24 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					4.28 Hrs
Total Cycle (Cycle Running Time + Pause Time)					4.28 Hrs

Time (Hrs)	Temper. (°F)
23.22	174
0.22	180
1.22	181
2.22	180

Operator : \_\_\_\_\_ Foreman : \_\_\_\_\_



7177 Pacific Street, Prince George, BC V2N 5S4

Phone: (250) 561-1161

## Certificate of Treatment

This is to certify that the material described below has been pressure treated to the requirements of CSA Standards and the Best Management Practices.

Customer Name: WELCO LUMBER CORP.  
Address 4445 LOUGHEED HWY.SUITE 1001  
BURNABY BC V5C0E4 CA.

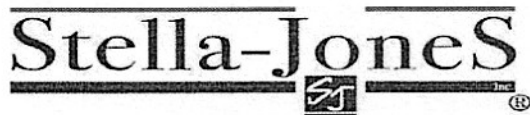
Contact:  
Customer's Order #: LAC-4161  
SJI Order#: 20242457  
Commodity: TIMBERS  
Species: HEM

Quantity	Dimensions	Length (in feet)
96	3X12	20

Treating Plant: SJI Prince George  
Preservative: CCA  
Charge # 25-0100  
Net Retention: 0.428PCF  
Shipping Plant: SJI Prince George  
Date of Issuance: FEB/21/2025

Norm Wood/Brayden Smith  
Quality Control Co-ordinator

Ryan Booth  
Plant Manager



Prince George Operation  
7177 Pacific St, Prince George, BC  
250-561-1161

## Penetration Report

Customer/Order#: WELCO LAC# 4161  
Charge#: 25-0100  
Product/Commodity: CSA TIMBERS  
Standard/Spec: CUST SPEC

Preservative: CCA  
Ref#:  
Species: HEM  
Production Date: 18/02/2025

QTY	Class (pole) / Dimension (in.)	Length (ft.)
96	3X12	20

Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	11	11	100%
2	12	12	100%
3	13	13	100%
4	10	10	100%
5	13	13	100%
6	15	15	100%
7	11	11	100%
8	10	10	100%
9	13	13	100%
10	10	10	100%
11	15	15	100%
12	10	10	100%
13	13	13	100%
14	10	10	100%
15	10	10	100%
16	14	14	100%
17	13	13	100%
18	15	15	100%
19	13	13	100%
20	16	16	100%

QTY	Class (pole) / Dimension (in.)	Length (ft.)

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

Penetration (mm): 10 16  
Min Max  
MC (%):  
Low High

Sapwood (mm): 10 16  
Min Max  
% Conformance: 100%

Comments:

DOA: FEB/20/2025  
QC: Norm Wood/Brayden Smith  
INSP: Dan Spiers

Print

Signature

OXFORD B-X 2500

POLES ANALYSIS

20/2/2025 18:51

Calibration title: CCM Poles-pcf

SAMPLE ID: 250097

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DENSITY = 23.3 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.21 g

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%WT OXIDES	%BALANCE
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CR03 = 1.204 %	45.5
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CU0 = 0.477 %	18.0
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AS205 = 0.963 %	36.4
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TOTAL = 2.645 %WT	100.0
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RETENTION

CR03 = 0.280 pcf

CU0 = 0.111 pcf

AS205 = 0.224 pcf

TOTAL= 0.615 pcf

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RECORD OF PRESSURE TREATMENT Charge No. : 250097					
Plant : Prince George	Process : FULL CELL	Preserv.Type : CCA	Concentr. : 3.64 %		
Cylinder : 3	Operator : EARL	Volume : 1060 C.F.	Moisture : 23.0 %		
Specified Net Retention		Date In (d/m/y): 16/ 02/ 2025	TIME IN : 10:37		
Assay: 0.00 pcf Gauge: 0.00 pcf		Date Out (d/m/y): 16/ 02/ 2025	TIME OUT : 16:32		

*Welco*

Order #	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	BCH	TRANSMISSION POLES	WRC	1	60	9	615.0
	BCH	DISTRIBUTION POLES	WRC	1	60	3	205.0
	WELCO	TIMBERS	DF	3X12	20	48	240.0

Treating Cycle Summary					
Operation	Start	End	Press./Vac.	Temper.(°F)	Run Time
Initial Vacuum	10.62	11.12	24.8 "hg	50	0.50
Filling	11.12	11.28	0.0 "hg	49	0.17
Soaking	11.28	13.28	0.0 "hg	47	2.00
Vac Release	13.28	13.30	1 "hg	46	0.02
Pressure	13.30	14.82	146 PSI	47	1.51
Press. Release	14.82	14.85	130. PSI	47	0.04
Pump Out	14.85	15.28	0.5 PSI	47	0.44
Final Vacuum	15.28	16.28	24.3 "hg	52	1.00
Vac Release	16.28	16.38	-12 "hg	52	0.11
Final Strip	16.38	16.55	-0 "hg	52	0.16
Down Time	0.48 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					5.94 Hrs
Total Cycle (Cycle Running Time + Pause Time)					5.94 Hrs

### Material

Preservative Retention Summary			
Charging Tank Reading	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start A	13.35	46	14753
End Fill for Pressure B	4.77	47	5272
End Pressure Period C	4.43	47	4898
End Final Drain D	13.03	46	14399

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
Gross Retention	(B-C)	374	146	0.14
Net Retention	(A-D)	354	138	0.13

Pressure Treat to Refusal: ??? HRS

Operator : \_\_\_\_\_ Foreman : \_\_\_\_\_

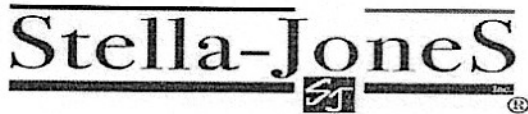


RECORD OF PRESSURE TREATMENT Charge No. : 250097					
Plant : Prince G	Process : FIXATION		Preserv.Type : CCA		Concentr. 3.97 %
Cylinder : 3			Volume : 1060 C.F.		Moisture : 23.0 %
Specified Net Retention					
Assay: 0.00 pcf		Gauge: 0.00 pcf		Date In (d/m/y): 18/ 02/ 2025	TIME IN : 7.95
				Date Out (d/m/y): 18/ 02/ 2025	TIME OUT: 12.13

Treating Cycle Summary					
Operation	Start	End	Temper.(°F)		Run Time
Heating	7.95	8.13		151	0.18
Fixation	8.13	12.13		180	4.00
Down Time	2.20 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					4.18 Hrs
Total Cycle (Cycle Running Time + Pause Time)					4.18 Hrs

Time (Hrs)	Temper. (°F)
9.13	180
10.13	180
11.13	180
12.13	176

Operator : \_\_\_\_\_ Foreman : \_\_\_\_\_



Prince George Operation  
7177 Pacific St, Prince George, BC  
250-561-1161

## Penetration Report

Customer/Order#: WELCO LAC# 4161

Charge#: 25-0097

Product/Commodity: CSA TIMBERS

Standard/Spec: CUST SPEC

Preservative: CCA

Ref#:

Species: HEM

Production Date: 18/02/2025

QTY	Class (pole) / Dimension (in.)	Length (ft.)
48	3X12	20

Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	10	10	100%
2	10	10	100%
3	11	11	100%
4	12	12	100%
5	11	11	100%
6	10	10	100%
7	10	10	100%
8	13	13	100%
9	11	11	100%
10	12	12	100%
11	10	10	100%
12	11	11	100%
13	12	12	100%
14	10	10	100%
15	15	15	100%
16	11	11	100%
17	13	13	100%
18	10	10	100%
19	12	12	100%
20	11	11	100%

Penetration (mm): 10 13  
Min Max

MC (%):  
Low High

Comments:

QTY	Class (pole) / Dimension (in.)	Length (ft.)

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

Sapwood (mm): 10 13  
Min Max

% Conformance: 100%

DOA: FEB/20/2025

QC: Norm Wood/Brayden Smith

INSP: Dan Spiers

Print

  
Signature



7177 Pacific Street, Prince George, BC V2N 5S4

Phone: (250) 561-1161

## Certificate of Treatment

This is to certify that the material described below has been pressure treated to the requirements of CSA Standards and the Best Management Practices.

Customer Name: WELCO LUMBER CORP.  
Address 4445 LOUGHEED HWY.SUITE 1001  
BURNABY BC V5C0E4 CA.

Contact:  
Customer's Order #: LAC-4161  
SJI Order#: 20242457  
Commodity: TIMBERS  
Species: HEM

Quantity	Dimensions	Length (in feet)
48	3X12	20

Treating Plant: SJI Prince George  
Preservative: CCA  
Charge # 25-0097  
Net Retention: 0.615PCF  
Shipping Plant: SJI Prince George  
Date of Issuance: FEB/21/2025

Norm Wood/Brayden Smith  
Quality Control Co-ordinator

Ryan Booth  
Plant Manager

OXFORD LAB-X 2500

POLES ANALYSIS

20/2/2025 16:31

Calibration title: CCA Poles-pcf

SAMPLE ID: 250096

*Welco*

\*\*\*\*\*

DENSITY = 22.7 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.16 g

\*\*\*\*\*

%WT OXIDES	%BALANCE
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CR03 = 1.330 %	48.4
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CUO = 0.442 %	16.1
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AS205 = 0.976 %	35.5
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TOTAL = 2.748 %WT	100.0
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RETENTION

CR03 = 0.302 pcf

CUO = 0.100 pcf

AS205 = 0.222 pcf

TOTAL= 0.625 pcf

\*\*\*\*\*



RECORD OF PRESSURE TREATMENT Charge No. : 250096					
Plant : Prince G	Process : FULL CELL	Preserv.Type : CCA	Concentr. 3.85 %		
Cylinder : 3	Operator : EARL	Volume : 1100 C.F.	Moisture : 23.0 %		
Specified Net Retention		Date In (d/m/y): 15/ 02/ 2025	TIME IN : 16:05		
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date Out (d/m/y): 15/ 02/ 2025	TIME OUT : 22:00		

*WELCO*

Order #	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	BCH WELCO	POLES TIMBERS	WRC DF	1 3X12	50 20	12 96	620.0 480.0

Treating Cycle Summary					
Operation	Start	End	Press./Vac.	Temper.(°F)	Run Time
Initial Vacuum	16.08	16.58	24.8 "hg	45	0.50
Filling	16.58	16.75	0.0 "hg	45	0.17
Soaking	16.75	18.75	0.0 "hg	46	2.00
Vac Release	18.75	18.77	1 "hg	45	0.02
Pressure	18.77	20.27	147 PSI	46	1.51
Press. Release	20.27	20.30	129. PSI	46	0.03
Pump Out	20.30	20.73	0.7 PSI	46	0.42
Final Vacuum	20.73	21.73	24.8 "hg	48	1.00
Vac Release	21.73	21.83	-12 "hg	49	0.10
Final Strip	21.83	22.00	-0 "hg	49	0.16
Down Time	3.75 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					5.91 Hrs
Total Cycle (Cycle Running Time + Pause Time)					5.91 Hrs

### Material

Preservative Retention Summary			
Charging Tank Reading	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start A	13.37	45	14768
End Fill for Pressure B	5.12	46	5661
End Pressure Period C	4.88	45	5395
End Final Drain D	13.08	44	14458

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
Gross Retention	(B-C)	265	109	0.10
Net Retention	(A-D)	310	128	.012

Pressure Treat to Refusal: 1.00 HRS

Operator : \_\_\_\_\_ Foreman : \_\_\_\_\_



RECORD OF PRESSURE TREATMENT Charge No. : 250096					
Plant : Prince G	Process : FIXATION		Preserv.Type : CCA		Concentr. 3.85 %
Cylinder : 3			Volume : 1100	C.F.	Moisture : 23.0 %
Specified Net Retention					
Assay: 0.00 pcf		Gauge: 0.00 pcf	Date In (d/m/y): 16/02/2025	TIME IN : 10.62	
			Date Out (d/m/y): 16/02/2025	TIME OUT: 15.37	

Treating Cycle Summary					
Operation	Start	End	Temper.(°F)	Run Time	
Heating	10.62	11.07	151	0.45	
Fixation	11.07	15.37	180	4.00	
Down Time	0.08 Hrs	Pause Time		0.30 Hrs	
Cycle Running Time				4.45 Hrs	
Total Cycle (Cycle Running Time + Pause Time)				4.75 Hrs	

Time (Hrs)	Temper. (°F)
12.07	176
13.07	180
14.37	180
15.37	180

Operator: \_\_\_\_\_ Foreman: \_\_\_\_\_





Prince George Operation  
7177 Pacific St, Prince George, BC  
250-561-1161

## Penetration Report

Customer/Order#: WELCO LAC# 4161  
Charge#: 25-0096  
Product/Commodity: CSA TIMBERS  
Standard/Spec: CUST SPEC

Preservative: CCA  
Ref#:   
Species: HEM  
Production Date: 18/02/2025

QTY	Class (pole) / Dimension (in.)	Length (ft.)
96	3X12	20

QTY	Class (pole) / Dimension (in.)	Length (ft.)

Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	11	11	100%
2	13	13	100%
3	18	18	100%
4	10	10	100%
5	14	14	100%
6	15	15	100%
7	14	14	100%
8	15	15	100%
9	14	14	100%
10	10	10	100%
11	15	15	100%
12	10	10	100%
13	13	13	100%
14	15	15	100%
15	10	10	100%
16	21	21	100%
17	16	16	100%
18	17	17	100%
19	10	10	100%
20	18	18	100%

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

Penetration (mm): 10 21  
Min Max  
MC (%):  
Low High

Sapwood (mm): 10 21  
Min Max  
% Conformance: 100%

Comments:

DOA: FEB/20/2025  
QC: Norm Wood/Brayden Smith  
INSP: Dan Spiers

Print

Signature





\*\*\*\*\*

CCA Poles-pcf

Last restandardised 18/2/2025 11:26

OXFORD LAB-X 2500

POLES ANALYSIS

18/2/2025 18:18

Calibration title: CCA Poles-pcf

SAMPLE ID: 250095



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DENSITY = 26.2 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.49 g

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	%WT OXIDES	%BALANCE
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CR03 =	1.247 %	45.9
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CU0 =	0.488 %	18.0
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AS205 =	0.981 %	36.1
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TOTAL =	2.717 %WT	100.0
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RETENTION

CR03 = 0.327 pcf

CU0 = 0.128 pcf

AS205 = 0.257 pcf

TOTAL= 0.712 pcf

\*\*\*\*\*



RECORD OF PRESSURE TREATMENT Charge No. : 250095				
Plant : Prince G	Process : FULL CELL	Preserv.Type : CCA	Concentr.	3.85 %
Cylinder : 3	Operator :EARL	Volume : 1060 C.F.	Moisture :	22.0 %
Specified Net Retention		Date In (d/m/y): 15/ 02/ 2025	TIME IN : 08:11	
Assay: 0.00 pcf Gauge: 0.00 pcf		Date Out (d/m/y): 15/ 02/ 2025	TIME OUT: 14:07	

Order #	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	BCH WELCO	POLES TIMBERS	WRC DF	1 3X12	60 20	12 48	820.0 240.0

Treating Cycle Summary					
Operation	Start	End	Press./Vac.	Temper.(°F)	Run Time
Initial Vacuum	8.18	8.68	25.1 "hg	45	0.50
Filling	8.68	8.85	0.0 "hg	44	0.18
Soaking	8.85	10.85	0.0 "hg	45	2.00
Vac Release	10.85	10.87	1 "hg	44	0.02
Pressure	10.87	12.38	147 PSI	45	1.51
Press. Release	12.38	12.42	130. PSI	45	0.04
Pump Out	12.42	12.87	0.7 PSI	46	0.45
Final Vacuum	12.87	13.87	24.9 "hg	48	1.00
Vac Release	13.87	13.97	-12 "hg	49	0.11
Final Strip	13.97	14.12	-0 "hg	49	0.15
Down Time	0.65 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					5.94 Hrs
Total Cycle (Cycle Running Time + Pause Time)					5.94 Hrs

### Material

Preservative Retention Summary			
Charging Tank Reading	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start A	12.97	46	14335
End Fill for Pressure B	4.26	46	4706
End Pressure Period C	3.99	46	4406
End Final Drain D	12.69	44	14025

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
Gross Retention	(B-C)	300	124	0.12
Net Retention	(A-D)	310	128	0.12

Pressure Treat to Refusal: 1.00 HRS

Operator : \_\_\_\_\_ Foreman : \_\_\_\_\_



RECORD OF PRESSURE TREATMENT Charge No. : 250095					
Plant : Prince G	Process : FIXATION		Preserv.Type : CCA		Concitr. 3.85 %
Cylinder : 3			Volume : 1060 C.F.	Moisture : 22.0 %	
Specified Net Retention					
Assay: 0.00 pcf		Gauge: 0.00 pcf		Date In (d/m/y): 15/02/2025	TIME IN : 15.97
				Date Out (d/m/y): 15/02/2025	TIME OUT : 20.30

Treating Cycle Summary					
Operation	Start	End		Temper.(°F)	Run Time
Heating	15.97	16.30		151	0.32
Fixation	16.30	20.30		180	4.00
Down Time	0.29 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					4.32 Hrs
Total Cycle (Cycle Running Time + Pause Time)					4.32 Hrs

Time (Hrs)	Temper. (°F)
17.30	180
18.30	180
19.30	179
20.30	180

Operator : \_\_\_\_\_ Foreman : \_\_\_\_\_



Prince George Operation  
7177 Pacific St, Prince George, BC  
250-561-1161

## Penetration Report

Customer/Order#: WELCO LAC# 4161

Charge#: 25-0095

Product/Commodity: CSA TIMBERS

Standard/Spec: CUST SPEC

Preservative: CCA

Ref#:

Species: hem

Production Date: 15/02/2025

QTY	Class (pole) / Dimension (in.)	Length (ft.)
48	3x12	20

Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	10	10	100%
2	10	10	100%
3	13	13	100%
4	10	10	100%
5	11	11	100%
6	10	10	100%
7	13	13	100%
8	11	11	100%
9	12	12	100%
10	17	17	100%
11	20	20	100%
12	15	15	100%
13	17	17	100%
14	11	11	100%
15	15	15	100%
16	15	15	100%
17	17	17	100%
18	10	10	100%
19	11	11	100%
20	13	13	100%

Penetration (mm): 10 20  
Min Max

MC (%): Low High

Comments:

QTY	Class (pole) / Dimension (in.)	Length (ft.)

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

Sapwood (mm): 10 20  
Min Max

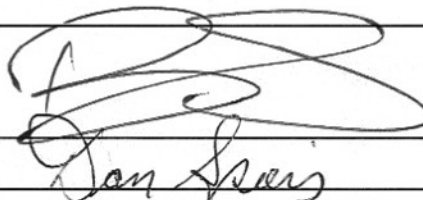
% Conformance: 100%

DOA: feb/18/2025

QC: Norm Wood/Brayden Smith

INSP: Dan Spiers

Print

  
Signature



7177 Pacific Street, Prince George, BC V2N 5S4

Phone: (250) 561-1161

## Certificate of Treatment

This is to certify that the material described below has been pressure treated to the requirements of CSA Standards and the Best Management Practices.

Customer Name: WELCO LUMBER CORP.  
Address 4445 LOUGHEED HWY.SUITE 1001  
BURNABY BC V5C0E4 CA.

Contact:  
Customer's Order #: LAC-4161  
SJI Order#: 20242457  
Commodity: TIMBERS  
Species: HEM

Quantity	Dimensions	Length (in feet)
48	3X12	20

Treating Plant: SJI Prince George  
Preservative: CCA  
Charge # 25-0095  
Net Retention: 0.712pcf  
Shipping Plant: SJI Prince George  
Date of Issuance: feb/18/2025

Norm Wood/Brayden Smith  
Quality Control Co-ordinator

Ryan Booth  
Plant Manager

OXFORD LAB-X 2500

POLES ANALYSIS

18/2/2025 18:28

Calibration title: CCA Poles-pcf

WELCO-LAC #4161

SAMPLE ID: 250094

\*\*\*\*\*

DENSITY = 25.5 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.42 g

\*\*\*\*\*

%WT OXIDES %BALANCE

CR03 = 1.105 % 44.9

CUO = 0.441 % 17.9

AS205 = 0.914 % 37.2

TOTAL = 2.459 %WT 100.0

\*\*\*\*\*

RETENTION

CR03 = 0.281 pcf

CUO = 0.112 pcf

AS205 = 0.233 pcf

TOTAL= 0.626 pcf

\*\*\*\*\*



Stella Jones

# RECORD OF PRESSURE TREATMENT Charge No. : 250094

Plant : Prince G	Process : FULL CELL	Preserv.Type : CCA	Concentr. 4.00 %
Cylinder : 3	Operator : JEFF	Volume : 1100 C.F.	Moisture : 23.0 %
Specified Net Retention			
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date In (d/m/y): 14/ 02/ 2025	TIME IN : 23:55
		Date Out (d/m/y): 15/ 02/ 2025	TIME OUT : 05:50

Order #	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	BCH WELCO	POLES TIMBERS	WRC DFIR	1 3X12	50 20	12 96	620.0 480.0

## Treating Cycle Summary

Operation	Start	End	Press./Vac.	Temper.(°F)	Run Time
Initial Vacuum	23.93	0.43	25.1 "hg	50	0.50
Filling	0.43	0.60	0.0 "hg	48	0.16
Soaking	0.60	2.60	0.0 "hg	48	2.00
Vac Release	2.60	2.62	1 "hg	43	0.02
Pressure	2.62	4.12	146 PSI	46	1.51
Press. Release	4.12	04.17	130. PSI	46	0.04
Pump Out	4.17	4.57	0.7 PSI	46	0.41
Final Vacuum	4.57	5.57	25.2 "hg	48	1.00
Vac Release	5.57	05.68	-12 "hg	48	0.10
Final Strip	5.68	05.85	-0 "hg	48	0.18
Down Time	0.00 Hrs		Pause Time		0.00 Hrs
Cycle Running Time				5.92 Hrs	
Total Cycle (Cycle Running Time + Pause Time)				5.92 Hrs	

## Material

Preservative Retention Summary			
Charging Tank Reading	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start A	13.36	48	14763
End Fill for Pressure B	5.22	49	5769
End Pressure Period C	4.85	48	5361
End Final Drain D	12.97	46	14335

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
Gross Retention	(B-C)	408	175	0.16
Net Retention	(A-D)	428	183	0.17

Pressure Treat to Refusal: ???? HRS

Operator : \_\_\_\_\_ Foreman : \_\_\_\_\_





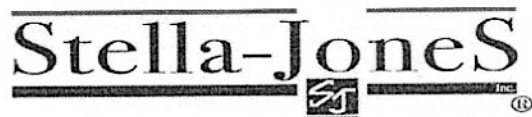
Charge No. : 250094

RECORD OF PRESSURE TREATMENT Charge No. : 250094					
Plant : Prince G	Process : FIXATION		Preserv.Type : CCA	Concentr. 4.00 %	
Cylinder : 3			Volume : 1100 C.F.	Moisture : 23.0 %	
Specified Net Retention					
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date In (d/m/y): 15/02/2025	TIME IN : 7.35		
		Date Out (d/m/y): 15/02/2025	TIME OUT : 11.70		

Treating Cycle Summary				
Operation	Start	End	Temper.(°F)	Run Time
Heating	7.35	7.70	150	0.36
Fixation	7.70	11.70	180	4.00
Down Time	0.30 Hrs	Pause Time		0.00 Hrs
Cycle Running Time				4.36 Hrs
Total Cycle (Cycle Running Time + Pause Time)				4.36 Hrs

Time (Hrs)	Temper. (°F)
8.70	174
9.70	180
10.70	179
11.70	171

Operator : \_\_\_\_\_ Foreman : \_\_\_\_\_



Prince George Operation  
7177 Pacific St, Prince George, BC  
250-561-1161

## Penetration Report

Customer/Order#: WELCO LAC# 4161  
Charge#: 25-0094  
Product/Commodity: CSA TIMBERS  
Standard/Spec: CUST SPEC

Preservative: CCA  
Ref#:   
Species: hem  
Production Date: 15/02/2025

QTY	Class (pole) / Dimension (in.)	Length (ft.)
96	3x12	20

Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	10	10	100%
2	11	11	100%
3	10	10	100%
4	10	10	100%
5	10	10	100%
6	14	14	100%
7	11	11	100%
8	12	12	100%
9	10	10	100%
10	14	14	100%
11	23	23	100%
12	10	10	100%
13	15	15	100%
14	16	16	100%
15	21	21	100%
16	11	11	100%
17	16	16	100%
18	10	10	100%
19	10	10	100%
20	13	13	100%

Penetration (mm): 10 23  
Min Max  
MC (%):  
Low High

Comments:

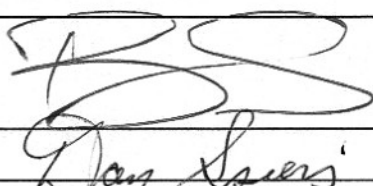
QTY	Class (pole) / Dimension (in.)	Length (ft.)

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

Sapwood (mm): 10 23  
Min Max  
% Conformance: 100%

DOA: feb/18/2025  
QC: Norm Wood/Brayden Smith  
INSP: Dan Spiers

Print

  
Signature



7177 Pacific Street, Prince George, BC V2N 5S4

Phone: (250) 561-1161

## Certificate of Treatment

This is to certify that the material described below has been pressure treated to the requirements of CSA Standards and the Best Management Practices.

Customer Name: WELCO LUMBER CORP.  
Address 4445 LOUGHEED HWY.SUITE 1001  
BURNABY BC V5C0E4 CA.

Contact:  
Customer's Order #: LAC-4161  
SJI Order#: 20242457  
Commodity: TIMBERS  
Species: HEM

Quantity	Dimensions	Length (in feet)
96	3X12	20

Treating Plant: SJI Prince George  
Preservative: CCA  
Charge # 25-0094  
Net Retention: 0.626pcf  
Shipping Plant: SJI Prince George  
Date of Issuance: feb/18/2025

Norm Wood/Brayden Smith  
Quality Control Co-ordinator

Ryan Booth  
Plant Manager