

Canadian Softwood Inspection Agency, Inc.

Grade Inspection Report

Client: LACOMBE COUNTY

Job Number / Name: _____

Manufacturer: **Koppers**

Client P/O Number: _____

Location: **Ashcroft, BC**

Manuf. P/O Number: **LACOMBE**

Product: Douglas fir timbers

Specification: **NLGA** (see below)

Est. Delivery: _____

Inspection Date(s): **December 18, 2018**

[illegible]

COMMENTS: Total FBM accepted 72,008.

No. of Pieces Required: _____

Previously Accepted:

Accepted This Report: 628

ACCEPTED TO DATE:

Mark on Accepted Pieces: **CSI 5B**

Inspector: **George Nickerson**

CSI 5B

DUE DATE	10-Oct-18
PO#	LACOMBE
STRUCT SUPVR	BUTCH
BRIDGE #	0
FRAME	NO
TREAT	6 lbs @ 100%

Dec 12/18

PCS	SIZE	LENGTH		FBM
24	3 X 10	12 ✓	INCISE AND TREAT	720
24	3 X 10	14 ✓	INCISE AND TREAT	840
24	3 X 10	20 ✓	INCISE AND TREAT	1200
24	4 X 6	16 ✓	INCISE AND TREAT	768
72	4 X 12	18 ✓	INCISE AND TREAT	5184
96	4 X 12	20 ✓	INCISE AND TREAT	7680
96	4 X 12	22 ✓	INCISE AND TREAT	8448
96	4 X 12	28 ✓	INCISE AND TREAT	10752
72	6 X 8	28 ✓	INCISE AND TREAT	8064
24	8 X 20	28 ✓	INCISE AND TREAT	8960
12	12 X 12	14 ✓	INCISE AND TREAT	2016
24	12 X 12	16 ✓	INCISE AND TREAT	4608
12	12 X 12	18 ✓	INCISE AND TREAT	2592
12	12 X 12	24 ✓	INCISE AND TREAT	3456
18	12 X 14	30 ✓	INCISE AND TREAT	6720

#1

SEE SR

TOTAL FBM 72008



Charge No.: 1353

PENETRATION RESULTS							MATERIAL INSPECTED																
☒ Incised Zone ☐ mm ☐ Non-incised Zone ☒ eighths							Process: ☒ LOWRY ☐ RUEPING ☐ FULL CELL ☐ REFUSAL																
	DEPTH SAPWOOD	DEPTH PEN	% SAP SAPWOOD		DEPTH SAPWOOD	DEPTH PEN	% SAP SAPWOOD	ITEM	NO. OF PIECES	SIZE / CLASS	LENGTH	☐ Lineal ☒ Fbm											
1		5	100	1																			
2		6	100	2					24	3 x 10	20	1,200											
3		5	100	3					72	4 x 12	20	5,760											
4		4	100	4					66	4 x 12	22	5,808											
5		8	100	5					96	4 x 12	28	10,752											
6		7	100	6					24	4 x 6	16	768											
7		6	100	7					72	6 x 8	28	8,064											
8		5	100	8																			
9		6	100	9																			
0		6	100	0																			
1		7	100	1																			
2		5	100	2																			
3		2	100	3																			
4		5	100	4																			
5		7	100	5																			
6		6	100	6																			
7		7	100	7																			
8		3	100	8																			
9		5	100	9																			
0		4	100	0																			
PRESERVATIVE							TREATABLE CUBIC FEET IN CHARGE: 2696																
☒ Creosote ☐ CCA ☐ Pentachlorophenol - 5% ☐ ACQ ☐ ACZA ☐ 50/50 mix							TREATING CYCLE SUMMARY																
RETENTION BY ASSAY							Stage	TIME	MAX. TEMP.	MAX. PRESS.	VACUUM	CONDEN.											
REQUIRED: ☐ 0.25 ☐ 0.40 ☐ 0.60 ☒ 6 lbs							Pre-condition																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">INCISED ZONE</th> <th rowspan="2">NON-INCISED ZONE</th> </tr> <tr> <th>Outer</th><th>Inner</th> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>							INCISED ZONE		NON-INCISED ZONE	Outer	Inner							Initial Vacuum					
INCISED ZONE		NON-INCISED ZONE																					
Outer	Inner																						
							Bath	2.7	208														
							Boil In Oil	13.8	203		25												
							Initial Air																
							Pressure	0.7	205	140													
							Exp Bath	1.0	212														
							Final vacuum	4.0			25												
							Steam / Fix																
RETENTION BY GAUGE							TOTAL TIME FOR TREATING hrs																
REQUIRED: GALS. RETAINED GALS.							MARKING ON ACCEPTED PIECES: CSI ☒ Yes ☐ No																
REQUIRED: 6.0 pcf RETAINED 8.84 pcf							☐ Random																
RUNNING TALLY							REMARKS																
NO. OF PIECES REQUIRED: 628																							
PREVIOUSLY ACCEPTED:																							
ACCEPTED THIS REPORT: 354																							
TOTAL ACCEPTED TO DATE: 354																							
							George Nickerson																
							Inspector																

SUBJECT: **Timber Charge Detail**

SCOPE: **Ashcroft**

Charge # 1353 Material: Fir Cylinder # Two Date: 01.04.19

TRAM NO	TAG NO	ORDER NO CUSTOMER	TREAT	SIZE	TALLY	PCS FBM	CU/FT
1	360	Lacombe	↑	4x6	24/16	786	768
	361		↑	6x8	12/28	1344	
2	364		↓	6x8	12/28	1344	
	363		↓	6x8	12/28	1344	
3	365		↓	6x8	12/28	1344	
4	366		↓	6x8	12/28	1344	
5	362			6x8	12/28	1344	
6	350			4x12	8/28	896	
7	354		↓	4x12	8/28	896	
	355		↓	4x12	16/28	1792	
8	351		↓	4x12	16/28	1792	
9	349		↓	4x12	16/28	1792	
	358		↓	4x12	16/28	1792	
10	356			4x12	8/28	896	
11	352			4x12	8/28	896	
12	357		↓	3x10	24/20	1200	
13	346		↓	4x12	24/20	1920	
	344		↓	4x12	24/20	1920	
14	345		↓	4x12	12/20	960	
15	347			4x12	12/20	960	
16	343			4x12	6/22	528	
	339			4x12	20/22	1760	
	341			4x12	20/22	1760	
17	342			4x12	10/22	880	
18	340			4x12	10/22	880	
						2288 2742	
						32352 21696	

Entered by: _____ Tallied by: K. J. Deegan

ASH-F-035 TIMBER CHARGE DETAIL		
EFFECTIVE DATE: JUNE 6, 2017	WRITTEN BY: Ashcroft	
REVISION #: 1	APPROVED BY: IAN MILLER	Page 1 of 2

SUBJECT: Core Sample Record

SCOPE: Ashcroft

Date: 08 JAN 19 Charge #: 1353 Cyl # 2

Instructions for sample taking: 20 samples shall be taken from representative pieces and shall be selected proportionately from different locations in the charge (i.e. Could take 10 samples from one side of the charge and 10 from the other side). (CSA 080.2-97 Section 2.2 "Retention Assay")

Sample Taken By: J. J. J. Shift: 64

Charge Content:	
Fir	
Hemlock	
H. Wood	
Ties	
Bridge Timbers	
Piling	
Other	

Note: If more than 4 samples fail, more samples may need to be taken. The charge may need to be retested if the sample failure is greater than 20% of total samples taken.

Core #	Penetration	Pass / Fail	Extra Samples
1	S	P	
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Inspection Result:

Charge Passes: Y N Retreat: Y / N More Samples? Y / N How Many? _____

Verified By: _____

ASH-F-034 CORE SAMPLE RECORD		
EFFECTIVE DATE: April 11, 2016	WRITTEN BY: Ashcroft	
REVISION #: 0	APPROVED BY:	Page 1 of 2

CHARGE DETAILS - ASHCROFT, 1425 EVANS ROAD, ASHCROFT BC V0K 1A0

Charge# 20191353	Start Date: 1/7/2019
Cylinder#: 2	Preservative: P1 (61468-1)
Conditioning: Boultonize	Borate: No
Total CuFT: 2696	Specie: Pine
Moisture%:	Required PCF: 7
Required Borate PCF:	Solution Concentration:
Plugged By: DC	Treatment Method: Lowry
Pulled By: DC	Refusal: N
End Customer: Koppers	End Date: 1/8/2019

Comments: 16012

ITEM DETAILS

End Cust	Commodity	Size	Description	Length	Qty	PerCuFT	Cubic Feet
KOP	Bridge timbers		3-10-240		24	4.17	100.08
KOP	Bridge timbers		4-6-192		24	2.67	64.08
KOP	Bridge timbers		4-12-240		72	6.67	480.24
KOP	Bridge timbers		6-8-336		72	9.33	671.76
KOP	Bridge timbers		4-12-336		96	9.33	895.68
KOP	Bridge timbers		4-12-264		66	7.33	483.78

Total Conditioning Hrs: 17

Total Borate Hrs:

Total Boultonizing Hrs: 13.75

Total Pressure Hrs: .67

Total Treating Hrs: 7

Total Charge Time: 24

Total PCS: 354

Preservative Used Lb: 23826.6(factor: 9.15) GL: 2604

Actual PCF: 8.84

Gross PCF:

Borate Used GL:

Borate Actual PCF: 0

Gallons Solution to Retain: ?

Total Water Removed GL: 745

STEAM CONDITIONING: NONE

BOULTONIZING TANK HEADER

Tank Begin Gallons	Tank End Gallons
44544	44544

BOULTONIZING DETAILS

Step Name	Start Date	Start Time	End Date	End Time	Temp	Inches	Water Removed	Hours
Preservative In	2019-01-07	00:30:00	2019-01-07	01:05:00	189			.58
Heat in Oil	2019-01-07	01:05:00	2019-01-07	03:45:00	208			2.67
Boultonizing	2019-01-07	03:45:00	2019-01-07	05:45:00	195	21	80	2
Boultonizing	2019-01-07	05:45:00	2019-01-07	07:45:00	201	20	115	2
Boultonizing	2019-01-07	07:45:00	2019-01-07	09:45:00	202	19	150	2
Boultonizing	2019-01-07	09:45:00	2019-01-07	11:45:00	203	20	150	2
Boultonizing	2019-01-07	11:45:00	2019-01-07	13:45:00	202	20	125	2
Boultonizing	2019-01-07	13:45:00	2019-01-07	15:45:00	201	20	85	2
Boultonizing	2019-01-07	15:45:00	2019-01-07	17:30:00	200	21	40	1.75
Preservative Back	2019-01-07							0
Vacuum	2019-01-06							0
Pumpdrips	2019-01-06							0

TREATMENT DETAILS

Step Name	Start Date	Start Time	End Date	End Time	Vacuum	Pressure	Temp	Hours	Bump
Initial	2019-01-06							0	
Preservative In	2019-01-07	17:30:00	2019-01-07	18:00:00				.5	
Heat in Oil	2019-01-07							0	
Pressure	2019-01-07	18:00:00	2019-01-07	18:30:00		140	205	.5	
Pressure	2019-01-07	18:30:00	2019-01-07	18:40:00		140	205	.17	
Expansion Bath	2019-01-07	18:40:00	2019-01-07	19:40:00			212	1	
Preservative Back	2019-01-07	19:40:00	2019-01-07	20:30:00				.83	
Vacuum	2019-01-07	20:30:00	2019-01-08	00:30:00	25			4	
Pumpdrips	2019-01-08							0	
Crack and Vac	2019-01-06							0	
Change Cylinder	2019-01-06							0	

BORATE TANK READINGS

Tank Begin	Tank End	Used	Hours

TREATMENT TANK READINGS (GALLONS)

Step Name	Tank Begin	Tank End	Used	Hours
Initial				0
Preservative In	44544	15453	29091	.5
Heat in Oil				0
Pressure	15453	11539	3914	.5
Pressure	11539	10460	1079	.17
Expansion Bath				1
Preservative Back	10460	41940	-31480	.83
Vacuum				4
Pumpdrips				0
Crack and Vac				0
Change Cylinder				0



Canadian Softwood Inspection Agency, Inc.

TREATED WOOD PRODUCTS
Inspection and Progress ReportItem: **Douglas Fir Timbers**
Client: **LACOMBE COUNTY**Purchase Order No.:
Specification: **NLGA**
Treatment Specification: **CSA O80**
Manuf. P / O No.: **LACOMBE**Report No.:
Project:
Date: **Jan 14, 2019**Manuf. And Location: **Koppers**
Ashcroft, BCSeasoning (MC%):
Min:
Max:
Ave:Destination: **Lacombe County, AB**
Framed To Drawing: **No** Incised: **Yes**Charge No.: **1354****PENETRATION RESULTS**☒ Incised Zone ☐ mm
☐ Non-incised Zone ☒ eighths

	DEPTH SAPWOOD	DEPTH PEN	% SAP SAPWOOD		DEPTH SAPWOOD	DEPTH PEN	% SAP SAPWOOD
1		3	100	1			
2		7	100	2			
3		5	100	3			
4		5	100	4			
5		6	100	5			
6		8	100	6			
7		7	100	7			
8		9	100	8			
9		5	100	9			
0		6	100	0			
1		4	100	1			
2		8	100	2			
3		7	100	3			
4		6	100	4			
5		5	100	5			
6		7	100	6			
7		2	100	7			
8		7	100	8			
9		8	100	9			
0		6	100	0			

PRESERVATIVE☒ Creosote ☐ CCA
☐ Pentachlorophenol - 5% ☐ ACQ
☐ ACZA ☐ 50/50 mix**RETENTION BY ASSAY**REQUIRED: ☐ 0.25 ☐ 0.40 ☐ 0.60 ☒ 6 lbs

INCISED ZONE		NON-INCISED ZONE
Outer	Inner	

RETENTION BY GAUGEREQUIRED: GALS. RETAINED GALS.
REQUIRED: **6.0** pcf RETAINED **7.16** pcf**RUNNING TALLY**NO. OF PIECES REQUIRED: **628**
PREVIOUSLY ACCEPTED: **354**
ACCEPTED THIS REPORT: **92**
TOTAL ACCEPTED TO DATE: **446****MATERIAL INSPECTED**Process: ☒ LOWRY ☐ RUEPING
☐ FULL CELL ☐ REFUSAL

ITEM	NO. OF PIECES	SIZE / CLASS	LENGTH	☐ Lineal ☒ Fbm
	24	4 x 12	20	1,920
	24	8 x 20	28	8,960
	8	12 x 12	16	1,536
	8	12 x 12	18	1,728
	12	12 x 12	24	3,456
	16	12 x 14	30	6,720

24,320TREATABLE CUBIC FEET IN CHARGE: **2696****TREATING CYCLE SUMMARY**

Stage	TIME	MAX. TEMP.	MAX. PRESS.	VACUUM	CONDEN.
Pre-condition					
Initial Vacuum					
Bath	2.0	210			
Boil In Oil	13.8	220		25	
Initial Air					
Pressure	0.7	205	140		
Exp Bath	1.5	212			
Final vacuum	4.0			25	
Steam / Fix					

TOTAL TIME FOR TREATING **7.7** hrs

MARKING ON ACCEPTED PIECES:

CSI☒ Yes ☐ No
☐ Random

REMARKS

George Nickerson
Inspector

SUBJECT: **Core Sample Record**

SCOPE: **Ashcroft**

Date: JAN 9/19 Charge #: 1354 Cyl # TWO

Instructions for sample taking: 20 samples shall be taken from representative pieces and shall be selected proportionately from different locations in the charge (i.e. Could take 10 samples from one side of the charge and 10 from the other side). (CSA 080.2-97 Section 2.2 "Retention Assay")

Sample Taken By: CASEY Shift: DAY

Charge Content:	
Fir	✓
Hemlock	
H. Wood	
Ties	
Bridge Timbers	✓
Piling	
Other	

Note: If more than 4 samples fail, more samples may need to be taken. The charge may need to be retested if the sample failure is greater than 20% of total samples taken.

Core #	Penetration	Pass / Fail	Extra Samples
1	8/8	P	
2	8		
3	7		
4	6		
5	5		
6	4		
7	3		
8	2		
9	1		
10	1		
11	1		
12	1		
13	1		
14	1		
15	1		
16	1		
17	1		
18	1		
19	1	F	
20	2	F	

Inspection Result:

Charge Passes: (Y) N Retreat: Y (N) More Samples? Y (N) How Many? _____

Verified By: _____

ASH-F-034 CORE SAMPLE RECORD		
EFFECTIVE DATE: April 11, 2016	WRITTEN BY: Ashcroft	
REVISION #: 0	APPROVED BY:	Page 1 of 2

SUBJECT: Timber Charge Detail

SCOPE: Ashcroft

Charge # 1354 Material: C.FIR Cylinder # TW6 Date: JAN 8/19

[illegible]

Entered by: _____ Talled by: CASEY L.

CHARGE DETAILS - ASHCROFT, 1425 EVANS ROAD, ASHCROFT BC V0K 1A0

Charge# 20191354	Start Date: 1/8/2019
Cylinder#: 2	Preservative: P1 (61468-1)
Conditioning: Boultonize	Borate: No
Total CuFT: 2027	Specie: Pine
Moisture%:	Required PCF: 6
Required Borate PCF:	Solution Concentration:
Plugged By: CL	Treatment Method: Lowry
Pulled By: CL	Refusal: N
End Customer: Koppers	End Date: 1/9/2019

Comments: 8680 LaCombe 100% Creosote Timbers Pt.2

ITEM DETAILS

End Cust	Commodity	Size	Description	Length	Qty	PerCuFT	Cubic Feet
KOP	Bridge timbers		8-20-336		24	31.11	746.64
KOP	Bridge timbers		4-12-240		24	6.67	160.08
KOP	Bridge timbers		12-12-216		8	18	144
KOP	Bridge timbers		12-12-192		8	16	128
KOP	Bridge timbers		12-12-288		12	24	288
KOP	Bridge timbers		12-14-360		16	35	560

Total Conditioning Hrs: 16.25

Total Borate Hrs:

Total Boultonizing Hrs: 13.75

Total Pressure Hrs: .67

Total Treating Hrs: 7.67

Total Charge Time: 23.92

Total PCS: 92

Preservative Used Lb: 14511.9(factor: 9.15) GL: 1586

Actual PCF: 7.16

Gross PCF:

Borate Used GL:

Borate Actual PCF: 0

Gallons Solution to Retain: ?

Total Water Removed GL: 700

STEAM CONDITIONING: NONE

BOULTONIZING TANK HEADER

Tank Begin Gallons	Tank End Gallons
41940	41940

BOULTONIZING DETAILS

Step Name	Start Date	Start Time	End Date	End Time	Temp	Inches	Water Removed	Hours
Preservative In	2019-01-08	09:30:00	2019-01-08	10:00:00	210			.5
Heat in Oil	2019-01-08	10:00:00	2019-01-08	12:00:00				2
Boultonizing	2019-01-08	12:00:00	2019-01-08	14:00:00	199	19	100	2
Boultonizing	2019-01-08	14:00:00	2019-01-08	16:00:00	201	20	150	2
Boultonizing	2019-01-08	16:00:00	2019-01-08	17:00:00	220			1
Boultonizing	2019-01-08	17:00:00	2019-01-08	18:00:00	197	25	150	1
Boultonizing	2019-01-08	18:00:00	2019-01-08	19:15:00	220			1.25
Boultonizing	2019-01-08	19:15:00	2019-01-08	20:15:00	202	25	150	1
Boultonizing	2019-01-08	20:15:00	2019-01-08	21:15:00	220			1
Boultonizing	2019-01-08	21:15:00	2019-01-08	23:15:00	202	26	100	2
Boultonizing	2019-01-08	23:15:00	2019-01-09	00:15:00	220			1
Boultonizing	2019-01-09	00:15:00	2019-01-09	01:45:00	205	26	50	1.5
Preservative Back	2019-01-08							0
Vacuum	2019-01-08							0
Pumpdrips	2019-01-08							0

TREATMENT DETAILS

Step Name	Start Date	Start Time	End Date	End Time	Vacuum	Pressure	Temp	Hours	Bump
Initial	2019-01-08							0	
Preservative In	2019-01-09	01:45:00	2019-01-09	02:10:00				.42	
Heat in Oil	2019-01-09							0	
Pressure	2019-01-09	02:10:00	2019-01-09	02:20:00		140	205	.17	
Pressure	2019-01-09	02:20:00	2019-01-09	02:50:00		140	205	.5	
Expansion Bath	2019-01-09	02:50:00	2019-01-09	04:20:00			212	1.5	
Preservative Back	2019-01-09	04:20:00	2019-01-09	05:10:00				.83	
Vacuum	2019-01-09	05:10:00	2019-01-09	09:10:00	25			4	
Pumpdrips	2019-01-09							0	

Crack and Vac	2019-01-08							0	
Change Cylinder	2019-01-09	09:15:00	2019-01-09	09:30:00				.25	

BORATE TANK READINGS

Tank Begin	Tank End	Used	Hours

TREATMENT TANK READINGS (GALLONS)

Step Name	Tank Begin	Tank End	Used	Hours
Initial				0
Preservative In	8680	7284	1396	.42
Heat in Oil				0
Pressure	8680	6797	1883	.17
Pressure	6797	6128	669	.5
Expansion Bath				1.5
Preservative Back	6128	40354	-34226	.83
Vacuum				4
Pumpdrips				0
Crack and Vac				0
Change Cylinder				.25



Canadian Softwood Inspection Agency, Inc.
TREATED WOOD PRODUCTS
Inspection and Progress Report

Item: Douglas Fir Timbers
Client: LACOMBE COUNTY
Manuf. And Location: Koppers
Ashcroft, BC
Destination: Lacombe County, AB
Framed To Drawing: No Incised: Yes

Purchase Order No.:
Specification: NLGA
Treatment Specification: CSA O80
Manuf. P / O No.: LACOMBE
Seasoning (MC%): Min: Max: Ave:
Report No.: 3
Project: Jan 14, 2019
Charge No.: 1355

PENETRATION RESULTS

☒ Incised Zone ☐ mm
☐ Non-incised Zone ☒ eighths

	DEPTH SAPWOOD	DEPTH PEN	% SAP SAPWOOD		DEPTH SAPWOOD	DEPTH PEN	% SAP SAPWOOD
1		8	100	1			
2		7	100	2			
3		7	100	3			
4		6	100	4			
5		5	100	5			
6		4	100	6			
7		7	100	7			
8		6	100	8			
9		5	100	9			
0		7	100	0			
1		8	100	1			
2		6	100	2			
3		3	100	3			
4		7	100	4			
5		6	100	5			
6		3	100	6			
7		8	100	7			
8		4	100	8			
9		7	100	9			
0		6	100	0			

PRESERVATIVE

☒ Creosote ☐ CCA
☐ Pentachlorophenol - 5% ☐ ACQ
☐ ACZA ☐ 50/50 mix

RETENTION BY ASSAY

REQUIRED: ☐ 0.25 ☐ 0.40 ☐ 0.60 ☒ 6 lbs

INCISED ZONE		NON-INCISED ZONE
Outer	Inner	

RETENTION BY GAUGE

REQUIRED: GALS. RETAINED GALS.
REQUIRED: 6.0 pcf RETAINED 6.56 pcf

RUNNING TALLY

NO. OF PIECES REQUIRED: 628
PREVIOUSLY ACCEPTED: 446
ACCEPTED THIS REPORT: 182
TOTAL ACCEPTED TO DATE: 628

MATERIAL INSPECTED

Process: ☒ LOWRY ☐ RUEPING
☐ FULL CELL ☐ REFUSAL

ITEM	NO. OF PIECES	SIZE / CLASS	LENGTH	☐ Lineal ☒ Fbm
	72	4 x 12	18	5,184
	30	4 x 12	22	2,640
	24	3 x 10	14	840
	24	3 x 10	12	720
	12	12 x 12	14	2,016
	16	12 x 12	16	3,072
	4	12 x 12	18	864

15,336

TREATABLE CUBIC FEET IN CHARGE: 2696

TREATING CYCLE SUMMARY

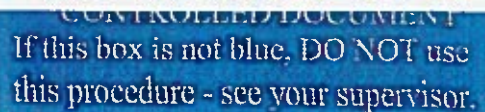
Stage	TIME	MAX. TEMP.	MAX. PRESS.	VACUUM	CONDEN.
Pre-condition					
Initial Vacuum					
Bath	2.0	220			
Boil In Oil	10.0	220		25	
Initial Air					
Pressure	0.7	205	140		
Exp Bath	1.0	212			
Final vacuum	4.0			26	
Steam / Fix					

TOTAL TIME FOR TREATING 7.4 hrs

MARKING ON ACCEPTED PIECES: **CSI** ☒ Yes ☐ No
☐ Random

REMARKS

George Nickerson
Inspector



SCOPE: Ashcroft

[illegible]

Entered by: _____ Talled by: CASEY

ASH-F-035 TIMBER CHARGE DETAIL		
EFFECTIVE DATE: JUNE 6, 2017	WRITTEN BY: Ashcroft	
REVISION #: 1	APPROVED BY: IAN MILLER	Page 1 of 2

COPY

CHARGE DETAILS - ASHCROFT, 1425 EVANS ROAD, ASHCROFT BC V0K 1A0

Charge# 20191355	Start Date: 1/9/2019
Cylinder#: 2	Preservative: P1 (61468-1)
Conditioning: Boultonize	Borate: No
Total CuFT: 1278	Specie: Pine
Moisture%:	Required PCF: 6
Required Borate PCF:	Solution Concentration:
Plugged By: CL	Treatment Method: Lowry
Pulled By: CL	Refusal: N
End Customer: Koppers	End Date: 1/10/2019

Comments: 8687

ITEM DETAILS

End Cust	Commodity	Size	Description	Length	Qty	PerCuFT	Cubic Feet
KOP	Bridge timbers		12-12-192		16	16	256
KOP	Bridge timbers		3-10-144		24	2.5	60
KOP	Bridge timbers		3-10-168		24	2.92	70.08
KOP	Bridge timbers		4-12-264		30	7.33	219.9
KOP	Bridge timbers		12-12-216		4	18	72
KOP	Bridge timbers		12-12-168		12	14	168
KOP	Bridge timbers		4-12-216		72	6	432

Total Conditioning Hrs: 12.75

Total Borate Hrs:

Total Boultonizing Hrs: 10.08

Total Pressure Hrs: .16

Total Treating Hrs: 7.41

Total Charge Time: 20.16

Total PCS: 182

Preservative Used Lb: 8381.4(factor: 9.15) GL: 916

Actual PCF: 6.56

Gross PCF:

Borate Used GL:

Borate Actual PCF: 0

Gallons Solution to Retain: ?

Total Water Removed GL: 350

STEAM CONDITIONING: NONE

BOULTONIZING TANK HEADER

Tank Begin Gallons	Tank End Gallons
47443	47443

BOULTONIZING DETAILS

Step Name	Start Date	Start Time	End Date	End Time	Temp	Inches	Water Removed	Hours
Preservative In	2019-01-09	11:35:00	2019-01-09	12:15:00	210			.67
Heat in Oil	2019-01-09	12:15:00	2019-01-09	14:15:00	220			2
Boultonizing	2019-01-09	14:15:00	2019-01-09	16:15:00	202	22	100	2
Boultonizing	2019-01-09	16:15:00	2019-01-09	17:15:00	220			1
Boultonizing	2019-01-09	17:15:00	2019-01-09	18:15:00	197	25	100	1
Boultonizing	2019-01-09	18:15:00	2019-01-09	20:20:00	220			2.08
Boultonizing	2019-01-09	20:20:00	2019-01-09	22:20:00	202	23	100	2
Boultonizing	2019-01-09	22:20:00	2019-01-09	23:20:00	220			1
Boultonizing	2019-01-09	23:20:00	2019-01-10	00:20:00	205	24	50	1
Preservative Back	2019-01-09							0
Vacuum	2019-01-09							0
Pumpdrips	2019-01-09							0

TREATMENT DETAILS

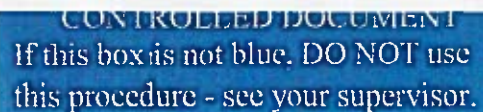
Step Name	Start Date	Start Time	End Date	End Time	Vacuum	Pressure	Temp	Hours	Bump
Initial	2019-01-09							0	
Preservative In	2019-01-10	00:20:00	2019-01-10	00:40:00				.33	
Heat in Oil	2019-01-10							0	
Pressure	2019-01-10	00:40:00	2019-01-10	00:45:00		140	205	.08	
Pressure	2019-01-10	00:45:00	2019-01-10	00:50:00		140	205	.08	
Expansion Bath	2019-01-10	00:50:00	2019-01-10	01:50:00			212	1	
Preservative Back	2019-01-10	01:50:00	2019-01-10	02:45:00				.92	
Vacuum	2019-01-10	02:45:00	2019-01-10	06:45:00	26			4	
Pumpdrips	2019-01-10							0	
Crack and Vac	2019-01-09							0	
Change Cylinder	2019-01-10	07:30:00	2019-01-10	08:30:00				1	

BORATE TANK READINGS

Tank Begin	Tank End	Used	Hours

TREATMENT TANK READINGS (GALLONS)

Step Name	Tank Begin	Tank End	Used	Hours
Initial				0
Preservative In	8687	7513	1174	.33
Heat in Oil				0
Pressure	8687	6936	1751	.08
Pressure	6936	6392	544	.08
Expansion Bath				1
Preservative Back	6392	46517	-40125	.92
Vacuum				4
Pumpdrips				0
Crack and Vac				0
Change Cylinder				1



SCOPE: Ashcroft

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