

Log Scaling In China

A presentation about the methods and procedures used In China
for inspecting imported logs.

Pioneer Scaling & Inventory Management Ltd.

Rick Kosolofski

China Inspection and Quarantine

- This agency is better known as the CIQ.
- The CIQ is a government agency who is responsible for regulating all goods entering or leaving China.
- A separate division of the CIQ is responsible for governing all of the scaling regulations and licensing of the log scalers in China.
- All logs must be scaled by an accredited independent 3rd party scaling company and that company must submit it's results and all data to the CIQ for audit.

Standards in China

- Contrary to popular belief, the log inspection standards in China are quite stringent.
- Log Scalers must be certified in every scaling method of the country logs are being imported from.
- When check scales are performed, the tolerance is one percent (1 %).
- All incoming log shipments are scaled and piece tallied by independent parties

Scaler Certification Documents

企业法人营业执照

编号: (副本) 注册号 3212832100736 (1/1)
 名称 泰兴市信业木材检尺服务有限公司
 住所 泰兴市泰兴镇延令新村凤园3幢201室
 法定代表人 陈巧国
 注册资本 壹拾万圆整
 企业类型 有限责任公司
 经营范围 木材检尺服务。

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企业法人年检情况

2008年	通过
2009年	通过
2010年	通过

营业期限 自 二〇〇二年八月 至 二〇一二年八月
 成立日期 二〇一〇年 二月 九 日

登记机关 泰兴市工商行政管理局
 二〇一〇年 二月 九 日

农民专业合作社登记申请书

名称	太中明发农民专业合作社
名称性质	1
(注册号/注册号)	2
住所	太中明发镇
邮政编码	215122
联系电话	13862962112
成员出资总额	300000 (元)
业务范围	种植、加工、销售粮食、原粮加工。
法定代表人姓名	庄利俊
身份证号	7 (姓名) (性别) (年龄) (民族) (国籍) (住所) (电话) (电子邮箱) (其他)
其中: 农民成员	7 (姓名) (所占比例) 100%
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法定代表人姓名: 庄利俊
 年 月 日

More Certification Documents

姓名: 陈富良
Name: 陈富良
性别: 男
Sexual distinction
出生年月:
Date of birth:
工作单位: 泰兴市林业木材检验有限公司
Service unit
综合技术等级: 一级
Grade of Technology
编号: 苏检木字第 034 号
Certificate No.
有效期: 2009.12.31
Valid for
发证机关: 江苏出入境检验检疫局
Issue Organ
发证日期: 2007年12月31日
Date of issue

等级检验范围
Grade corresponding to the
log inspection standards or rules

标准名称 INSPECTION STANDARDS	技术等级 Grade of Technology
非洲 (A.T.I.B.T)	
印尼 (Indonesian Hardwood Inspection Rules)	
巴新 (Papua New Guinea Inspection Regulations)	
欧洲山毛榉 (European Beech Log Inspection)	
日本农林 (Japanese Agriculture & Forestry Standards)	
俄罗斯 (Russian Log Inspection rules)	

Working Conditions in China



Not well presented for accurate scaling



Log tally sheets filled out by the scalers



The China Domestic Scale

- This scale method is used for domestic sales in China and only uses a top measurement along with a taper factor which is built into their version of the Smalian formula.
- This is not the scale that is used for volume comparisons on imported logs.
- The China Domestic Scale overstates the cubic meters of the same log in comparison to the BC Metric Scale by approximately 5 – 7%.

Counting logs after the scaling process



Entering the scale sheets into Excel



Scale and Piece Shortages

- Shortage claims are common in transactions between North America and China.
- According to the CIQ representatives there have been more shortages than otherwise from British Columbia.
- The CIQ keeps statistics on all of the suppliers who export logs to China and rate them from best to worst.
- Statistics have shown that logs loaded from land vs. ocean have a better success rate.

Why Do Shortages Occur ?

- Scaling integrity
- Inventory Control
- Bundle and Boom Quality
- Weather – Storms, poor towing conditions or inadequate boom storage locations
- Interpretation of scaling methods
- Breakage during discharge

Scaling Integrity

- As we can see from previous photos, the conditions can raise question to scale integrity in China.
- Due to shortages of qualified staff, experience can be an issue at the source of original scale also.
- It is important that industry provides adequate training and quality control to insure that scalers are knowledgeable and accountable.

Inventory Control

- This is one of the most critical areas of the overall integrity.
- Once again, without adequate knowledge and understanding of what happens next things can get out of control and integrity is lost.
- All personnel involved in the inventory management and logistics processes must have a clear understanding of the “Big Picture”.

Bundle and Boom Quality

- It has proven itself time and time again that poorly built and wrapped bundles have a lower survival rate once they hit the water.
- This is the beginning of one of the biggest problems contributing to the loss of logs from booms transported on the water.
- Towing in adverse weather conditions and unsheltered boom tie up locations can wreak havoc.
- We will never know how many logs escape while being towed in boom form without rescaling at the final destination.



[gty.im/
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By
Peter Skinner

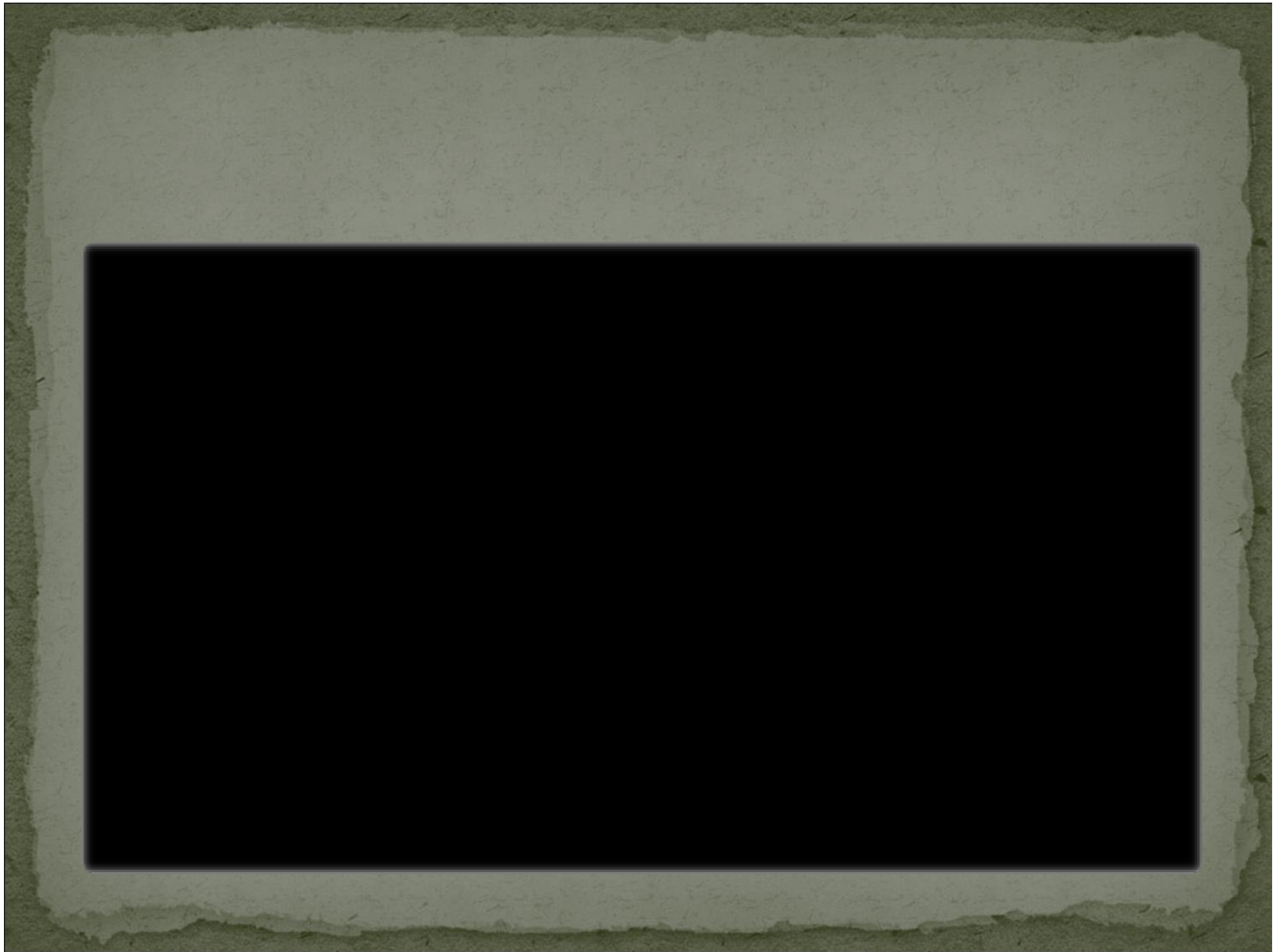


Interpretation of Scaling Methods

- This topic has taken many days of discussion with no firm resolution.
- The BC Metric Scale requires small and large end measurements, in BC an approved scale rule is used for taking these measurements but, in China a carpenter's tape is used for this.
- Due to a misinterpretation of section 4.2 of the BC Scaling manual, the Chinese scalers believe that large end measurements shall not exceed 1.3 times that of the small end where this is actually 1.5 times while still maintaining accuracy with the Smalian formula.

Interpretation

- After consultation with the BC Scaling Policy Manager, it was agreed that wording should be changed in the BC Scaling manual to avoid further misunderstandings.
- A scale comparison was done with myself and a 3 person Chinese scaling team on the same 100 logs to find that the only significant difference was on the large end measurements. This exercise was supervised by one of the CIQ officials, a 3rd party scaling company and SGS Inspections.
- All parties involved were in agreement that the large end measurements are where the scaling differences are occurring.



Shipping

Are we sure all of the cargo makes the journey ?



Cargo is Well Secured



But Can the Cargo Survive This?



Closing Remarks

- China is the largest importer of timber products.
- Currently the US Scribner scale is the most widely accepted measurement for trade because it only requires a top diameter measurement and it favors the buyer with an over-run.
- Further cooperation and progression are needed to establish acceptable standards that work for all parties concerned.
- Attention to every detail is very important to insure smooth transactions.