FCE/Roadex Seminar.
24th June 2010
David S Leslie
James Jones and Sons
James Jones and Sons

- Engineerered Wood Products
- Pallet Manufacture and repair business
- Joint Venture in lumber business: Canada/USA
- Investments in telecoms business: Italy
- Partner in wood product manufacturing business
- Harvasting Haulage

United Box

- Pallet Manufacture and repair business
Locations

- Forres
- Lockerbie
- Dumfries
- Mosstodloch
- Kinnoir
- Aboyne
- Kirriemuir
- Unit Pallets
Total Sawmill Production ($m^3$)
Roundwood Demand

JJSJ Group Roundwood Demand
South Scotland increase to 2013
1850s: Horses
1900s : Traction Engines.
1910: Model T and rail transport
1920s: Strapped loads!
1930s: Early “run-flats”
1940s: Military conversions
1960s – Leyland “Hippo”
1972 Dodge: First load to Cowie!
1980s & 90s: Fodens
2009 : Maxi Tyres and TPC
JJ Haulage Volumes 2010.

Roundwood
1,000,000 m³

Sawn Wood
450,000 m³

Co-Products
350,000 m³
Kinbrace 2003

- FE LTC Opportunity
- Syre Forest to Kinbrace Railhead
- 15,000 tonnes/annum
- SRW to Dalcross
- Logs/Pallet to Mosstodloch
- Agreement with EWS
- 2 Year working period
- Significant issues !!!!
The First TPC Kit

- Research into TPC Systems 2006
- Sandy Hogg visits to Canada/Portugal
- Preference to Tireboss system
- Fitted to Gordon Mackenzie’s Lorry
- Installed by Jimmy Munro: Rafford
- Initial support from FE: Frank McCulloch
- Initial involvement in Roadex project
- Perco Station monitoring.
TPC Research and Development

- Further funding investigations
- Funding JV with Badenoch and Strathspey Enterprise
- 2 More TPC kits fitted (double drive & tag)
- Further monitoring and testing
- Preparation of TPC report by Jonathan Ritchie
- Ongoing development within “Roadex” programme
- Roll-out of CTI strategy

TYRE PRESSURE CONTROL

An investigation into how reducing tyre pressures could increase efficiency and effectiveness of timber haulage

Jonathan Ritchie
Harvesting & Transport Manager
• Joint discussion with FE, HRC, JJ, Michelin
• Proposal for Maxi tyre trial 2007
• First TPC Maxi December 2007
• Further trials/monitoring
• 2008 : Second vehicle fitted with Maxi tyres
• 3 Further Maxi tyre units factory fitted.
• Encouraging results to date
• Ongoing development with Michelin/Tireboss
TPC Benefits overall: Our findings

- Overall cost savings to the user
- Increased tyre life – wear and tear (including “puncture” breakdowns)
- Increased vehicle traction and increased “footprint”
- Fuel savings through tyre pressures and vehicle specification
- Reduced wear and tear through vibration (vehicles and drivers!)
- Allows access to restricted roads
- Facilitates haulage management
TPC Benefits continued

• Reduces road repair bills for Councils and Estates/Woodland owners

• Increased “co-operation” with Councils/Estates/Growers

• Can reduce required “spec” of roads (running surface, gradients, thaw)

• Significant safety benefits relating to the above

• PR – Both for James Jones and the timber industry as a whole

• Roll out benefits across the industry: Timber availability/Work for contractors

• Carbon reduction through savings overall
Future developments

- Further R&D through Wood Wisdom Programme
- Expansion of CTI capability to contractors countrywide
- Further development with Michelin, Tireboss and others
- Expansion of “Cooperative” haulage operations
- Development of Intermodel haulage systems.
Awards and Rewards

Jonathan Ritchie receiving the 2010 Scottish Environmental Haulier of the Year Award from Transport News.

• TPC innovation and development
• Maxi tyre roll-out and development
• JIST haulage development
• Low impact haulage systems
• ISO14001 Continuous improvement
Thank you.