



carefully

Do your tyres get the attention they deserve?

Tyres are an important component on a forestry machine. Their performance is closely related to that of the machine, and for optimum results the tyre has to be able to perform well when the machine is operating at maximum capacity.

Unfortunately, tyres do not always get the kind of attention they deserve. Given the considerable financial investment, and the positive impact that tyre condition can have on overall performance, paying regular attention to the tyres should be a must for any forestry machine user.

The following pointers should ensure that you get the most out of your tyres.

Daily visual inspection

Correct tyre handling will increase the lifetime of the tyre. A daily visual inspection should highlight any damage, such as splinters, gashes or pinhole damage, that causes moisture to penetrate the tyre shell. Any such damage should be repaired before it causes a separation – ie

tread or sidewall rubber parting from the tyre carcass.

Air pressure control

The air in the tyres carries the load and as a result should be checked regularly. A tyre that has been removed should be checked several times during the first week after it has been refitted. This is important because of potential air pockets between the tyre and tube that might reduce the inflation pressure. It is important to remember that inflation pressure is lower in cold temperatures and higher under hot conditions.

Machine load

Overload can cause serious damage to your profits. It is always better for the machine and the tyres to keep the load within permitted levels. Tyres are designed and manufactured to handle a certain load, and no more.

Route planning

Plan your driving routes carefully and try to avoid wetlands and rocky areas. If necessary make sure that



Alliance provide a full range of tyres for forestry applications, divided into four categories – flotation, skidder, agro-forestry and tyres for trailers.

you can drive on a brash mat to minimise ground as well as tyre damage.

Below, some of the major manufacturers of forestry tyres have given us the lowdown on their current product offerings.

Alliance

Kirby Tyres is one of the largest tyre and wheel wholesalers and distributors in Europe, and has been the sole UK and Ireland agent for the extensive Alliance range of agricultural, earthmover and forestry tyres.

A combination of dedicated forestry tyre research and a policy of evolving product development have resulted in what the Alliance Tyre Group regards as the most comprehensive range of forestry specific tyres on the market today.

“We can now say we have a really full and diverse range,” R&D and Engineering Director of Alliance, Dr George Ronai, commented. “Some of our competitors are not so strong in the bigger tyres needed for skidders, while some other competitors are not very strong in CTL forestry flotation tyres. We have the widest

range.”

He said being able to provide a full range of tyres for forestry applications gives Alliance an advantage over manufacturers that lack variety because customers can see an advantage in using fewer suppliers.

The Alliance range is divided into four categories; flotation, skidder, agro-forestry and tyres for trailers. Dr Ronai said the range of speciality forestry tyres was the result of ten years of research and development. He commented that the biggest challenge for designing forestry tyres was the tread compound, which was constantly being researched and improved in the lab and the field. Alliance agro-forestry tyres are steel reinforced, have strong sidewalls, a longer life and are designed for optimal forest floor traction and reduced compaction.

The Alliance forestry brochures are available to download from Kirby Tyres’ website.

www.kirbytyres.co.uk
08702 428800

Nokian

The Nokian Forest Rider is the world’s first fully functional radial



At home in the forest



Only purified oils, no toxic chemicals

Not only has the Nokian Forest Rider convinced the forestry machine world with its driving comfort and first-class traction, but the revolution continues. This trailblazing radial tyre is going tubeless and the patented side puncture protection makes the tyre stronger and even more durable.

Nokian Forest Rider
– Radial tyre’s top comfort and absolute traction

Nordic Tyres (UK) Ltd
Unit 2 Sydney Place, Lockerbie, Dumfries & Galloway DG11 2JA
Tel 01576 203020 – Email sales@nordictyres.com

See importers worldwide: www.nokiantyres.com/heavytyres



The large contact area on the Nokian Forest Rider radial tyre produces less surface pressure than that of a cross-ply forestry tyre.

forestry tyre. The large contact area on this radial tyre produces less surface pressure than that of a cross-ply forestry tyre. This means it has less chance of sinking, even in soft soil, which helps to maintain the forest landscape. At the same time, the tyre offers better traction enabling improved manoeuvrability.

Key features to the tyre are that they can be used with or without tracks, which is an advantage in regions where the off-road use of tracks may be forbidden; due to its low rolling resistance, the tyre saves fuel, in turn helping costs and the environment; and the steel belt in the construction and patented side-puncture protection offer an extremely durable tyre.

In addition there are a number of new sizes available, developed for high horsepower tractors that are used for harvesting, construction sites and maintenance of forest roads. Experience gained in designing tyres for harvesters and forwarders helped to develop these tractor tyres. The tyres have a protective steel belt band layered under the tread area and, as with the CTL Forest Rider tyres, they have patented side wall protection which gives excellent puncture resistance

to sharp objects. These elements combine to strengthen the carcass construction allowing the tyre to take higher than normal load capacities at various speeds and pressures. The tread compounds have been selected to offer a combination of cut resistance and improved wear rate, adding to the durability of the tyre.

*Nordic Tyres (UK) Ltd
01576 203020*

Trelleborg Wheel Systems

With five factories worldwide, and 1895 employees, Trelleborg Wheel Systems is a highly specialised tyre supplier of agricultural, forestry and industrial applications.

Trelleborg Twin Forestry tyres provide increased tractive power, without the risk of unnecessary slippage and damage to the soil structure or growing trees. The Twin technology offers better utilisation of the engine power of the machine.

The Twin Forestry T428 is designed to provide an excellent pull force in tough, clayey terrain as well as on ice and snow – both with and without the assistance of tracks and chains. The wide, flat tyre profile ensures excellent contact area for tracks and chains. The open pattern allows good self-cleaning and gives a firm grip on slippery and

soft surfaces.

The selected rubber materials give the tyre a long life and ensure the highest quality. The special forestry tyre rubber compound improves the protection against cuts, temperature variations, etc.

Equally wide lugs across the entire tread increase the shoulder stability, and the extra shoulder rubber reinforcement reduces wear and tear from tracks and chains.

In addition, extra rubber reinforcement in the sidewall increases the lateral stability of the tyre and protects it against impact. The extra protection simulates a higher inflation pressure while the tread remains flexible.

The Twin Forestry T422, says Trelleborg, is a tyre for people who want to be sure they can go anywhere – even in really difficult terrain. Even without tracks and chains, the grip is still there.

The external angle of the lugs gives increased pull force. An open tread pattern results in good self-cleaning. The maximum tread width distributes the machine's power across the whole tyre. The pattern minimises slippage and enables maximum utilisation of the power of the engine.



Trelleborg Twin Forestry T422.

The shoulder of the tyre is solidly built to handle the torque created by the machine's pull force. The flexible and bump-resistant carcass structure follows the irregularities of the terrain. Therefore the carcass of the tyre is better able to absorb the impacts inflicted on it by diverse forestry terrains.

Forest Machine Services are the main UK in-stock distributor. Contact Kenny Dobson or Stephen Willis for more information.

FMS 01434 230852

Twin Forestry

UPGRADE to pure quality



For over a century, Trelleborg has met the challenges of professional forestry. Our passion is to build top performing quality tyres for the most demanding environments.

The original Twin Forestry range is handcrafted for durability and comfort, inspired by the endurance and timeless performance of another brilliant investment.

Pure quality is always hard to resist.

Upgrade to Trelleborg Twin Forestry today.



www.trelleborg.com/wheelsystems

Stocked and distributed by: Forest Machine Services Ltd. Parkend, Simonburn, Hexham, Northumberland. NE48 3AA.
Phone: 01434 230852. fmserv@btconnect.com. www.forestmachineservices.co.uk