



### Nijman/Zeetank innovative with Alcoa 22.5 x 17.00 drive axle wheels



Nijman/Zeetank International Logistic Group are a logistics service provider for the transport and distribution of petrochemical products, fuel, gas, glass and package freight. Nijman/Zeetank were founded more than 50 years ago and have 5 locations in Europe, with the head office in Spijkensisse, the Netherlands. They have a modern fleet with 220 trucks, 400 semi-trailers and 450 tank containers. Because the weight of the vehicles plays a primary role, attention is paid to every kilogram when specifying new vehicles.

For this reason Nijman/Zeetank want to keep the weight of some of their trucks as low as possible. They do this amongst others by mounting Alcoa 22.5 x 17.00 wheels, in combination with 495/45 R 22.5 Michelin tyres, on the drive axle.

For a 4x2 truck without spare wheel, the weight of six steel 22.5 x 9.00 wheels and 315 tyres would be around 627 kg. By mounting Alcoa 22.5 x 9.00 wheels on the front axle and 22.5 x 17.00 wheels on the drive axle, the weight of the four tyre/wheel combinations is only 423 kilograms. This means a weight saving of 204 kilograms on one truck! The two Alcoa 22.5 x 17.00 drive axle wheels with 495 tyres account for approx. 172 kg weight saving compared to four 22.5 x 9.00 steel wheels with 315 tyres!

Managing director Kees van Noordt describes the advantages of the Alcoa wheels as follows: *"Weight is the key word for us, whether it concerns our customers' goods to transport, or when purchasing new vehicles. For this reason we specify already for many years and to our full satisfaction Alcoa wheels on a large number of our vehicles, both trucks and trailers. By fitting Alcoa 22.5 x 17.00 wheels on the drive axles, we obtain the largest possible weight saving which can be realized with wheels and tyres on our trucks. For this reason we can state that Alcoa certainly contributes in a positive way to maximize the load capacity of our vehicles and as a result also to a higher cost-effectiveness. The drivers do not notice any difference in the driving comfort and the output of the tyres is similar."*

### Alcoa 17.5 x 6.75 wheels for medium duty trucks are on the road

MAN started to mount the first Alcoa 17.5 x 6.75 wheels on TGL trucks for customers specifying aluminium wheels in April. We are starting to spot the first trucks on the European roads. Here is one from the Dutch company Mulders in Oudenbosch, who can now transport their high class garden furniture in style!



## “GREIWING Logistics for you GmbH” and Alcoa Wheels – partners for 20 years

“GREIWING Logistics for you GmbH “ is a company based on tradition. In 1930, Alfons Greiwing founded Spedition Alfons Greiwing in Münster, Germany, with just one Büssing truck. The haulage company grew steadily, the number of trucks and drivers increased and, as often happens in family businesses, the children, Erich and Rudolf, took over the company.

Today it is successfully run by the grandchildren Roland and Jürgen Greiwing, together with Klaus Beckonert and Jürgen Buchholz. In 2008, the name was changed to “GREIWING logistics for you GmbH”, to reflect its status as an international and innovative logistics company.

They operate a fleet of 240 trucks and 600 semi-trailers from eight sites in Germany and are focussing on

- bulk logistics with specialized silo transport;
- food logistics for the transport of rice, sugar, cacao powder and many other food products;
- granules handling services with the pre-handling, sorting, homogenising, drying, packaging and post-handling of granules;
- truck trading services and
- truck cleaning services with state-of-the-art cleaning equipment for tank and silo containers.



*“We use Alcoa wheels to give the silo and tank vehicles the highest possible load capacity and thus increase our payload and revenues. The first vehicles on Alcoa Brushed and Mirror Polished wheels were ordered almost 20 years ago,” explains Manager Klaus Beckonert. “Changing to Dura-Bright® wheels has reduced cleaning requirements to a minimum. The vehicles are washed once a week and the Alcoa Dura-Bright® wheels always shine. Since three years, all our new trucks and semi-trailers are specified with Alcoa Dura-Bright® wheels.”*

### Maintenance of Dura-Bright® wheels

With an increasing share of Dura-Bright® wheels on the road, the Alcoa Service Centre receives more questions about proper maintenance of these wheels.

Dura-Bright® wheels are low maintenance wheels. It does not mean they should not be cleaned. In order to keep these wheels in a good condition it is recommended to wash them weekly.

The Dura-Bright® surface treatment is designed to be easy to clean and generally requires water only. If soils remain, use warm water and a mild detergent with assistance of a high pressure power washer or a soft fiber brush such as the ALbrush. The soap, shampoo or products used on the painted parts of the truck’s cab work well.

Always dilute professional detergents according to the manufacturer’s recommendation. Never use a detergent straight without diluting it with water. **In the mixed, ready for use, diluted state the cleaner acidity / alkalinity should have a pH between 5 and 9 for use on Dura-Bright® wheels.**

Avoid cleaners that contain hydrochloric, sulfuric, nitric, hydrofluoric acid or caustic soda. Hydrofluoric acid, often used in car and truck wash pre treatment routines for wheels should never be used on Dura-Bright® treated wheels.

Do not use abrasives, abrasive compounds or cleaners, abrasive brushes, steel wool, scouring pads or strong chemicals (such as strong acids or strong alkaline products) for cleaning Dura-Bright® treated wheels. The surface of Alcoa Dura-Bright® wheels will be damaged, discolored or removed if such products are used or routines are applied / performed.

Cleaning instructions for Dura-Bright® wheels can be found on this page of our website: [http://www.alcoa.com/alcoawheels/europe/en/info\\_page/dura\\_maintenance.asp](http://www.alcoa.com/alcoawheels/europe/en/info_page/dura_maintenance.asp).

For wheels that have a damaged, eroded, discolored Dura-Bright® treatment please consult the “Service Bulletin Dura-Bright®, additional maintenance” first. This bulletin is available in PDF format from the same website page.

## MAN TGX EfficientLine with Dura-Bright® wheels



A total of 32 new MAN TGX EfficientLine demonstration vehicles left the MAN Truck Forum for the German MAN sales offices. MAN introduces a vehicle to the market which proves, thanks to advanced drive technology and excellent fuel efficiency, that today's long-distance transport has the potential to save up to 3 litres of diesel per 100 kilometres. The TGX EfficientLine shows that, in order to cover long distances more efficiently, a truck design is needed with reduced rolling resistance.

In order to reduce air resistance, sun visors and air horns are eliminated. The maximum speed is limited to 85 km/h. Further improvements are made to the drive strands and a new generation Intarder is fitted.

As the gross vehicle weight on the road is limited, utility vehicles with a low kerb weight can transport heavier loads. This means more cargo with each trip, which implies less trips altogether. Fewer trips have a positive impact on the traffic flow, condition of the roads and environment. The transport of the same quantity of goods requires less fuel consumption and results in lower CO<sub>2</sub> emissions.

For the construction of the TGX line, MAN opted for a lightweight design. The TGX EfficientLine Basic Pack includes Alcoa Dura-Bright® aluminium wheels.

This results in an extra payload of over 110 kg per truck. Moreover, the lower inertia and lower rolling resistance further reduce fuel consumption. Alcoa wheels offer other advantages as well: the improved rotation of the aluminium wheels ensures a longer life time of the tyres than with steel wheels. The superior heat conductivity of the aluminium also allows the brakes to cool down quickly, extending the life time of the brake pads.

Dura-Bright® wheels are easy to maintain. No polishing is needed; regularly washing with water and a soft detergent will keep them shiny.

So more than enough reasons to specify Alcoa aluminium wheels for these MAN TGX EfficientLine demonstration vehicles.

## Carlsteins Trafik AB specify Alcoa wheels for strength and safety reasons

Carlsteins Trafik AB, founded in 1927, is a Swedish bus fleet that operates all over Europe with their coaches and within Sweden with intercity buses. The fleet is based in the villages Brandstorp, where they have their office and workshop, Habo and Tidaholm, where their garages are. Today they operate 29 coaches and intercity buses and are also one of the members in the organization "Buss i Väst" with a total of 39 different fleets, owning a total of 600 coaches and buses.

Carlsteins' main objectives are to offer their passengers a complete experience, with focus on the personal service and high standards. Therefore they are, since 2000, certified with ISO 9001 & 14001 to ensure they keep or exceed the expectations from their customers.



Mr. Per Carlstein states: "We specify Alcoa Dura-Bright® aluminium wheels, mainly because of the strength of the wheels, for safety reasons. Other benefits like lighter weight, better heat dissipation, great appearance and easy maintenance are a welcome bonus."

## Beware of Alcoa imitation wheels!

During the past couple of months, we have come across some Alcoa imitation wheels through our distribution network. Cracked wheels were sent to Alcoa distributors by end users, trying to get these wheels replaced by Alcoa wheels under the 5-year warranty agreement. The European Alcoa Wheels organization wants to warn the market for these imitation wheels.



imitation

Alcoa wheel

These wheels seem to be based on the shape of Alcoa wheels, making it difficult to identify the differences between an original Alcoa forged aluminium wheel and an imitation.

These imitation wheels however may not have passed the critical tests at LBF and TÜV, nor have they been homologated by the truck OEMs.

A wheel is a safety part on both truck and trailer. For over 60 years, Alcoa has provided a safe and reliable design, combining optimal strength, performance and efficiency, based on the unique Alcoa forging process. Customers and resellers may be challenged or confused how to determine whether it is a genuine Alcoa or an imitation.

The following visuals will help you to identify genuine Alcoa wheels.

### on the outside of the wheel

- Alcoa sticker
- Alcoa roll stamp (indication of wheel size, part number, max. load, country of origin, production date)



### on the inside / drop center:

- laser dotted identification
- barcode label

If you have any questions regarding this issue, please contact Alcoa at [info.wheels@alcoa.com](mailto:info.wheels@alcoa.com) or call +32 11 458460.

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