



# Quad 550



The new Vervaet Quad! With 550 hp, 21m<sup>3</sup> tank capacity and a transmission offering higher torque than any other self-propelled machine on the market in the crucial 5 to 15 km/h speed range. Add to that the largest possible tyre choice making it suitable for every type of crop and every type of application.

550

Horsepower Volvo engine

21m<sup>3</sup>

Cubic tank

## USPs



### Powerfull

The Quad boasts exceptional torque in the crucial 5 to 15kph band thanks to its bespoke Vervaet transmission which is designed and built in-house for optimal performance.



### Cost of ownership

Low fuel consumption and durable long-lasting parts ensure maintenance costs are kept to a minimum.

13.500

Up till 13.500 l/min capacity

**VERVAET**  
**DNA**

### DNA

Don't be mistaken by the Quad's novelty, it's packed full of well-proven Vervaet DNA. Simplicity, ease of maintenance and low running-costs were just some of the design criteria.



### Effortless

The Quad is easy to operate and all major components are all freely accessible for hassle-free maintenance.

3,00m

Width (all tires fits)



# Content

Vervaet Quad 550 Discover



3  
USPs



15  
Tyres

19  
Engine



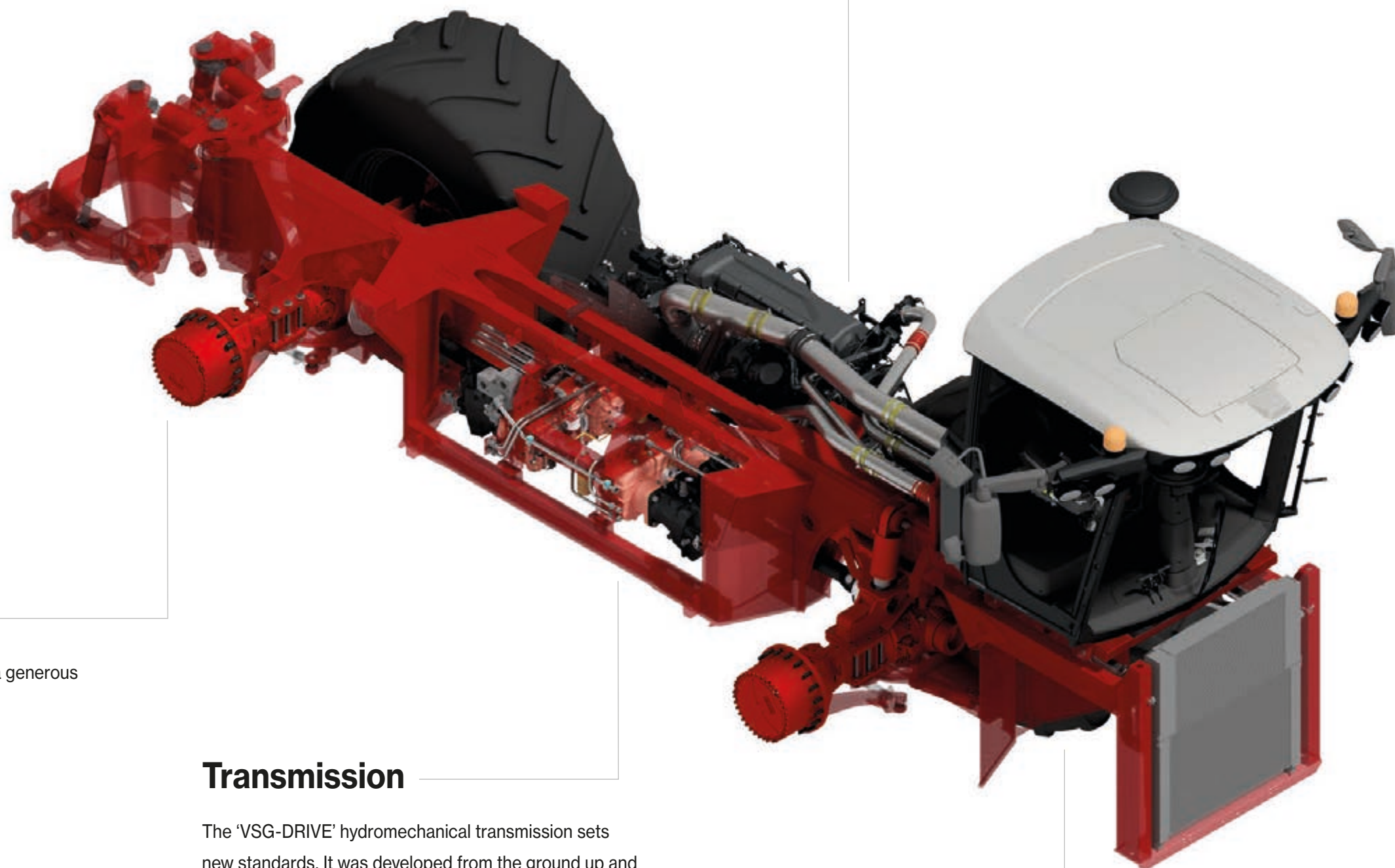
13  
Turn night  
into day



23  
Turning circle



# A well thought out concept



## Engine

The 13.5 litre Volvo Pena engine boasts 550hp and produces its full torque at just 1,200rpm.

## Axles

Heavy-duty OMSI axles provide a generous 27° steering angle

## Transmission

The 'VSG-DRIVE' hydromechanical transmission sets new standards. It was developed from the ground up and maintains full performance in all situations.

**VSG** DRIVE

## Cooling

The cooling system, developed in conjunction with Volvo, ensures full performance is maintained when working in high temperatures.



Engineered by Volvo



# The ideal workplace



## Rearview

A feature of the Vervaet DNA: Look over your shoulder during the fertilizer application to see how (uniquely) good the (over)visibility is on the fertilizer through the sloping tank!



## Simplicity in operation

Clear and easy to use. Everything that is important at a glance.



## Comfort

Complete comfort for the driver thanks to the suspended front axle, hydraulic-pneumatic suspended cabin and air-suspended driver's seat.



# Different concepts,

The Vervaet Quad may be new, but it is laced with Vervaet DNA: innovative and reliable technology that is not unnecessarily complicated.

Technology that is intuitive and quickly understood by the operator and just as easily appreciated by mechanics for cost-effective maintenance.

the same DNA



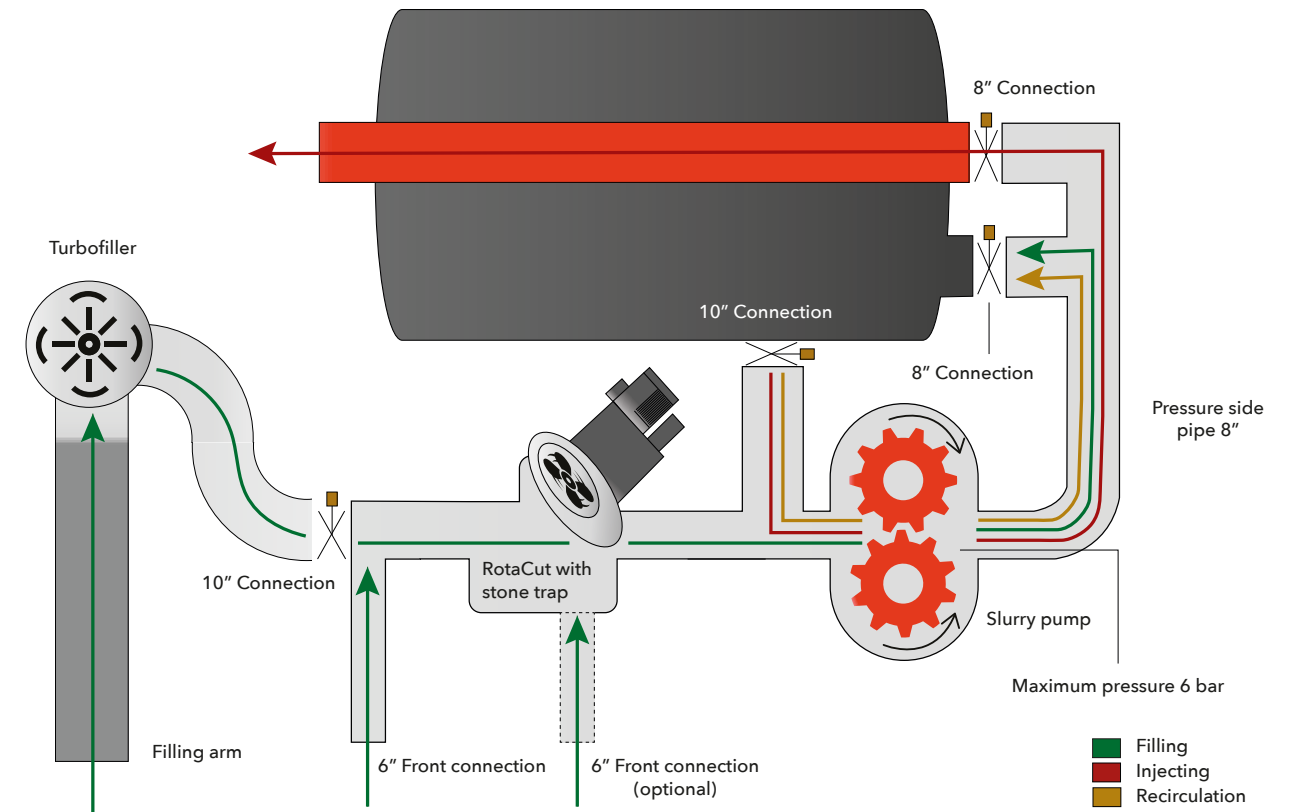


# Turn night into day

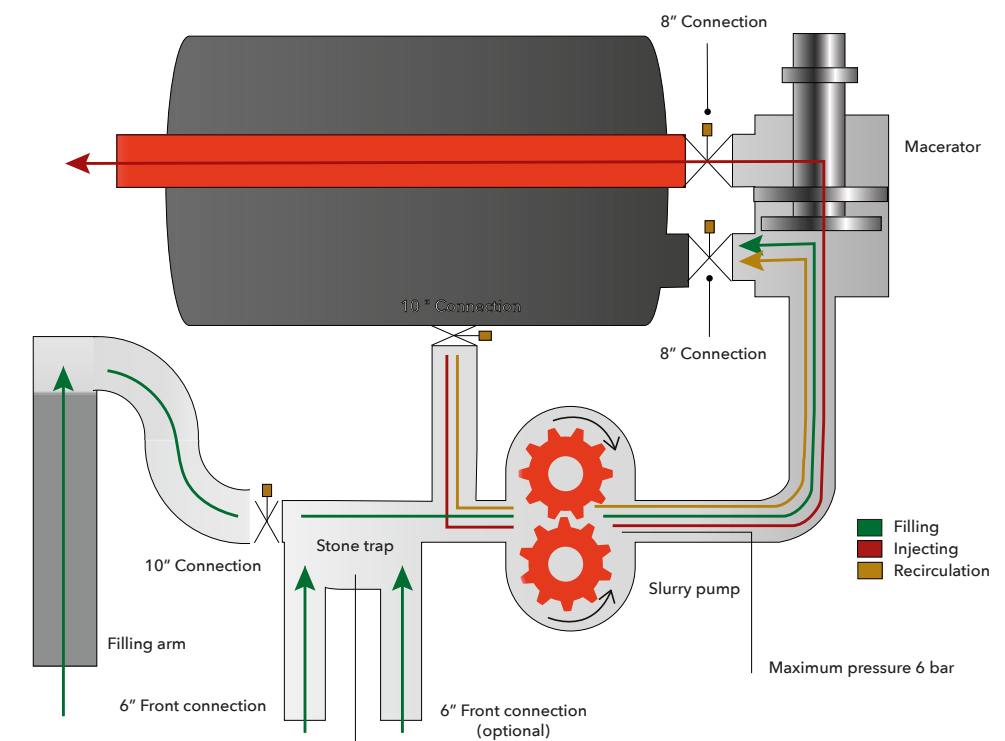




# A manure system for everyone



The RotaCut system offers shorter filling times thanks to the Turbofiller used in combination with a Vogelsang RotaCut macerator, which shreds the fibres and foreign matter, protecting the slurry pump from damage.



By placing the unique Vervaet cyclone macerator after the slurry pump resistance on the suction side of the pump is minimised. The pump works continuously, both whilst manure is being spread and during headland turns when it automatically switches to recirculation. During recirculation the chopper is constantly cleaned to prevent clogging. Thanks to this recirculation the system is constantly primed with slurry so that it reaches the target as soon as the application unit is lowered into work.



# Waiting

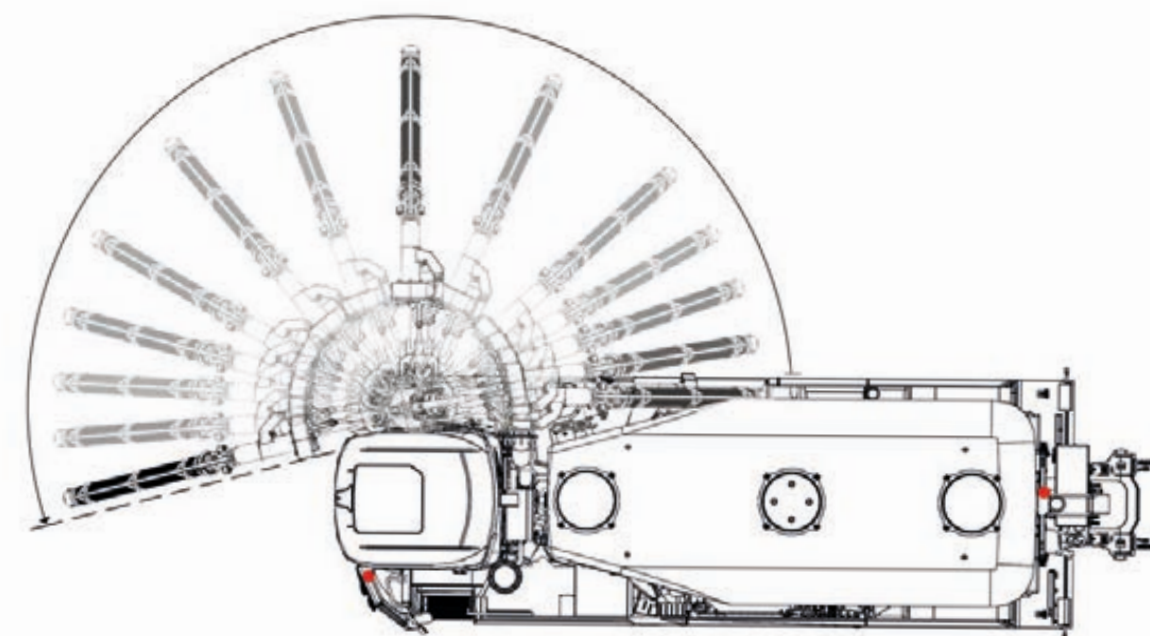


## does not have to be long

A good suction arm is essential for fast and effective filling of the Quad's sleekly designed 21m<sup>3</sup> tank.

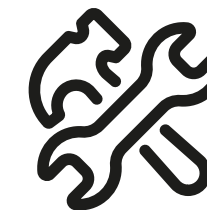
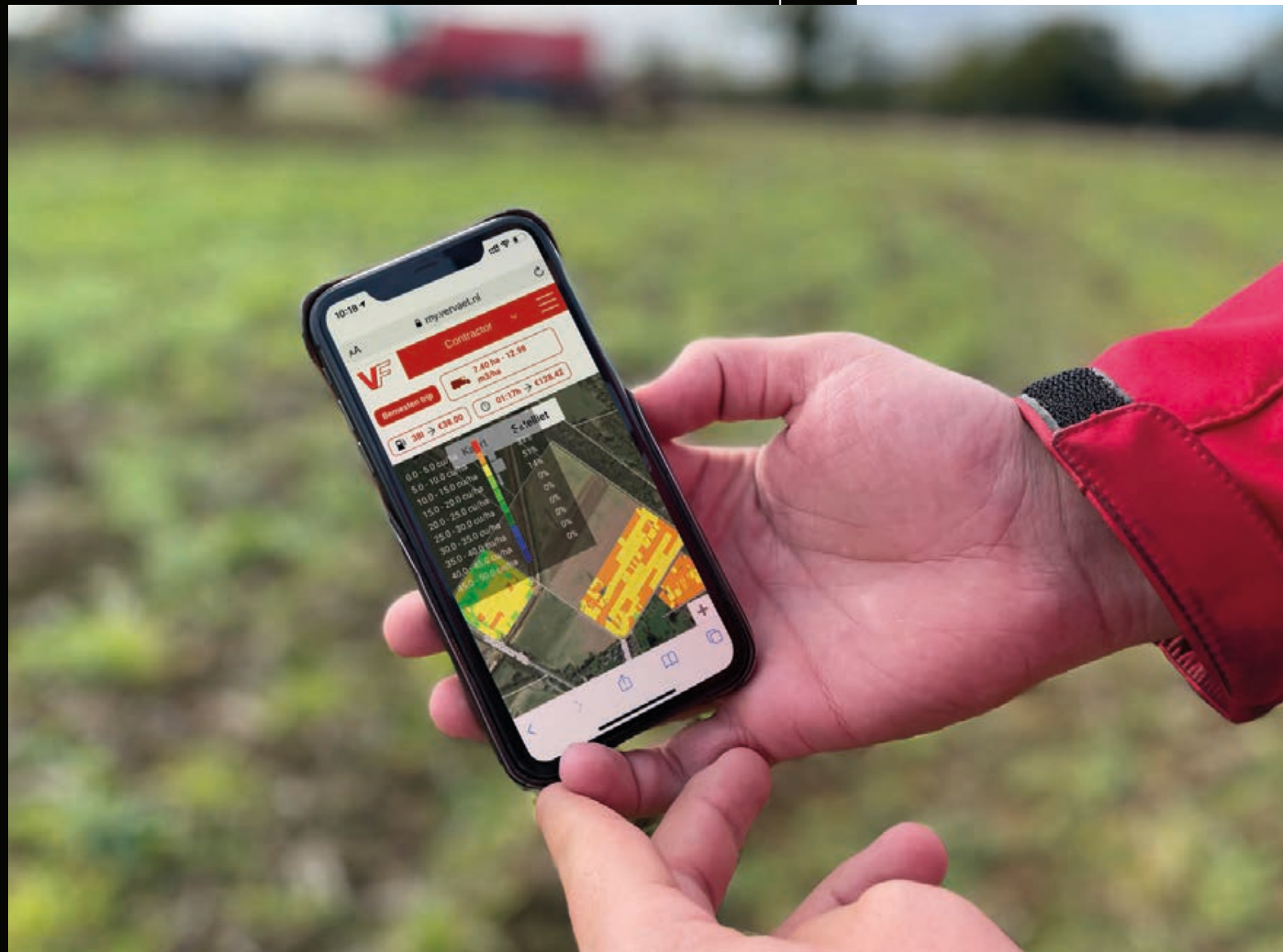
Thanks to a clever and durable slewing ring design we have succeeded in uniting all possible loading systems in just one type of suction arm!

A suction arm that does not hinder sideways vision during road transport and is RDW and TÜV approved. This means that we are ahead of the game when it comes to legislation and regulation throughout Europe and, as a user, you can be sure that you and your employees are safe on the road.

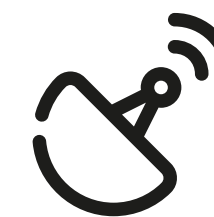




# Always



Remote service



Real-time info



Easy to manage

# connected





# Engine



Engineered by Volvo

21



Working together with Volvo we have developed a sophisticated system for the Quad in which all of the important components such as the engine, cooling and transmission are well co-ordinated.



## High torque

Thanks to the matching of the engine and transmission in perfect harmony the Quad delivers unenviable torque.



## Sophisticated cooling

The generous cooling system guarantees the Quad provides full performance even in high temperatures.



## Low fuel consumption

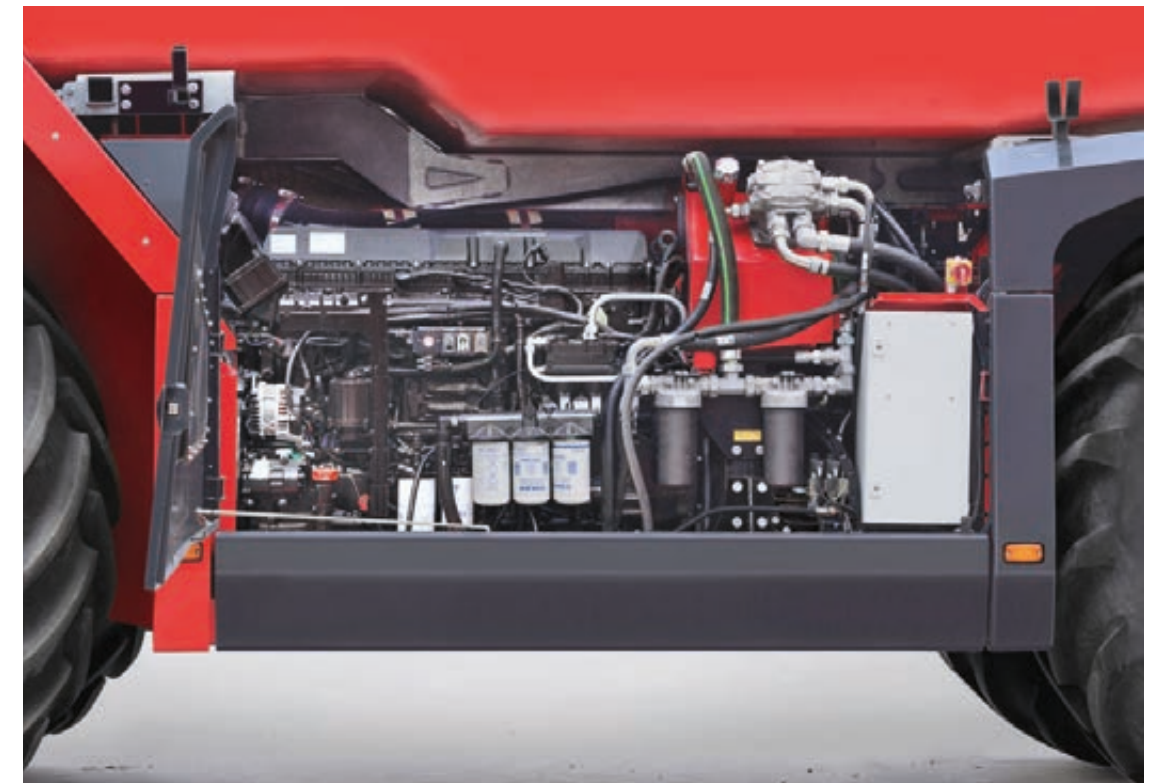
Thanks to the perfectly matched engine and transmission the Quad operates at just 1,200 engine rpm.



# Accessibility



Easy access to the vital components was a major design criteria when we were creating the Quad. This is reflected in the unhindered accessibility of the fuel and AdBlue tanks, engine compartment and air filter.

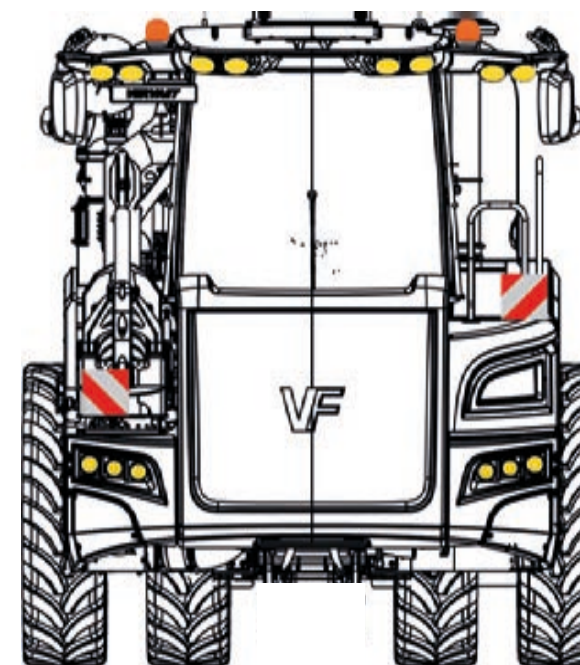




# A comprehensive range of tyre sizes

900/60 R38, 900/60 R42, 1050/50 R32, 1000/55 R32  
1250/50 R32 and the latest Mitas 1000/65 R32 as well as  
dual purpose wheels (380/90 R46), it's all possible and ts!

And with almost all tyre sizes, the Quad stays within  
the 3.0 m transport width.





# A compact machine,



8,03  
meter

Pulling power, endurance and ground clearance are of paramount importance to us. This is why the new Quad is not only rugged and robust but also uses innovative design techniques to make it the strongest and lightest self-propelled vehicle in its class with a tight turning circle thanks to its sophisticated four-wheel steering.

**delivering a tight  
turning circle**





Vervaet Quad 550 Lifting capacity

With a total lifting  
capacity of

9.000  
KG







# Our family business

Vervae is a family business, which started building the first self-propelled six-row sugar beet harvesters in 1974. In 1989 the first Hydro Trikes were developed. Today, Vervae employs more than 180 people. They ensure that customers from all over the world receive the Vervae machines on time. Production of sugar beet harvesters takes place between February and September, during the other months Quad and Hydro Trike manufacturing takes place.



# Specialist maintenance professionals are ready for you!

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When you invest in the Quad 550 you don't just receive its amazing performance. You are backed up by a team dedicated to keeping your machine productive. Professionally-trained technicians know every part of your machine and any problems can be found quickly. 95% of issues can be solved over the phone thanks to the machine's remote diagnostic system supplied as standard. This saves both you and us a lot of time and money.





# Other applications



In addition to liquid manure (slurry) application, the Quad 550 was designed from the outset to spread solid too. Our knowledge and experience with the Trike equipped for solid spreading was applied to the four-wheeled chassis.



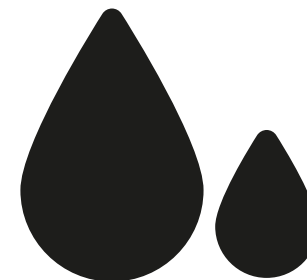
## Application rate

As you are used to with a Vervæet machine, the Quad automatically regulates the application rate. Of course there is the option to do this following yield maps or soil nutrient maps.



## Capacity

A self-propelled machine equals capacity! The Vervæet Quad 550 has a 21-tonne spreading body.



## Other applications

The self-propelled machine can also be used as a base vehicle for other applications.

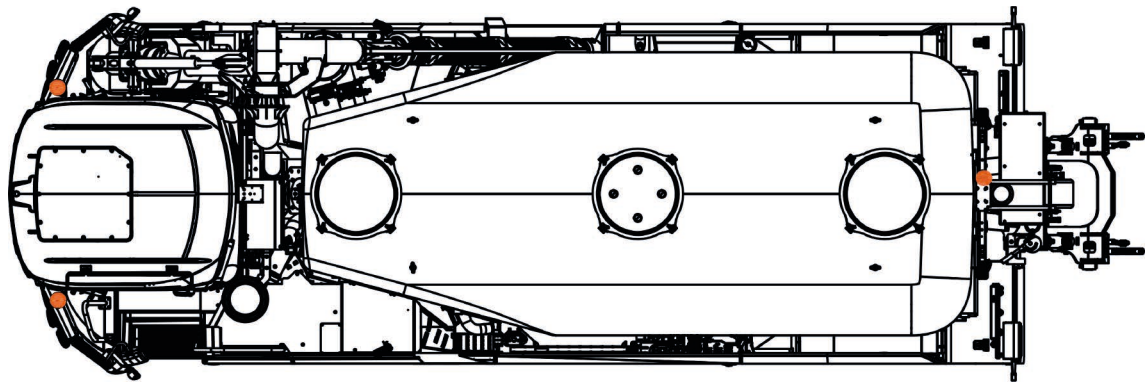
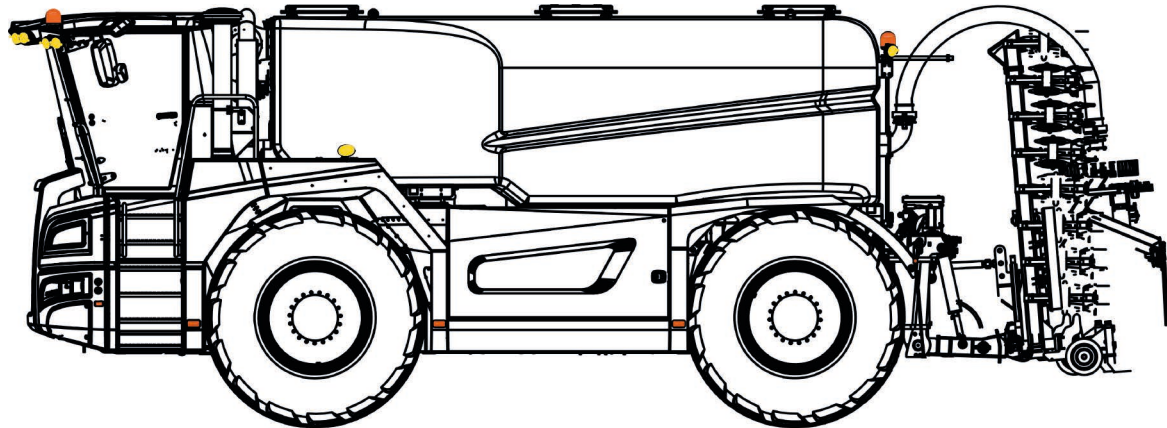
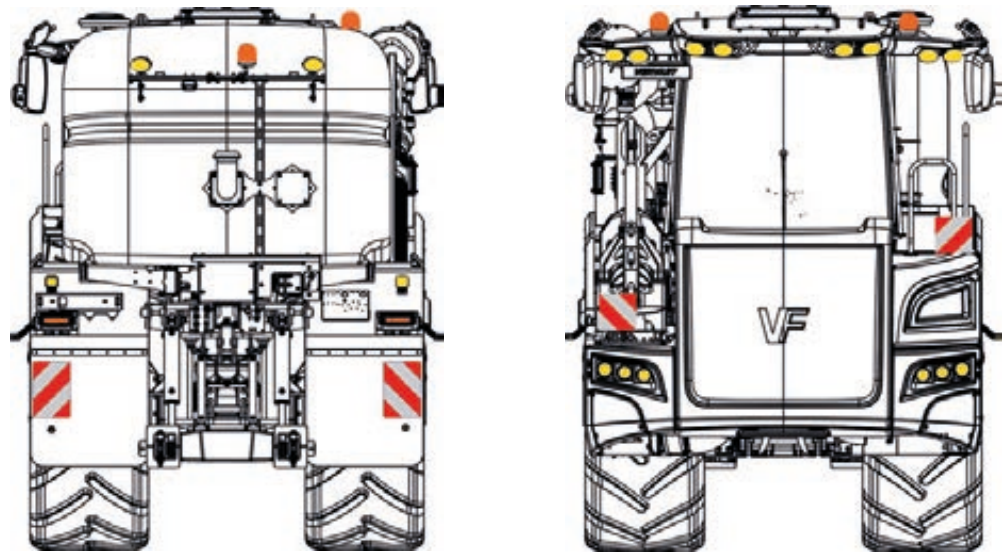


## Vervæet DNA

The Vervæet-DNA remains: innovative, reliable and user-friendly. This is proven technology of Vervæet!



# Specifications



Engine	Volvo Penta - 405 KW, 550 PK
Torque	2650 Nm
Hydraulics	Bosch-Rexroth
Slurry pump	Börger, Vogelsang
Tank capacity slurry tank	21.000 liter
Roadspeed / Fieldspeed	40 km/h / 32 km/h
Transmission	VSG-Drive (Traploos)
Front tyres	900/60 R38
Rear tyres	900/60 R42
	1050/50 R32
	1000/55 R32
	1250/50 R32
	1000/65 R32
Fuel tank capacity	850 liter
Rear lift capacity	3-punts, categorie 3 / categorie 4

It's in  
the detail





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