Vredo Dodewaard bv
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ART.NUMBER	DETAILS
G00101054	VREDO VT4556

Vredo VT4556
Year of manufacture: 2021
Operating hours: approx. 5,500 hrs
Machine number: 0121.009
Options: Tyre Pressure Control System, Trimble GPS RTK, Weighing & Sampling System, New BKT 1050/55R32

Engine & Performance

- Engine: Scania DC13 – 6-cylinder in-line, 12.7L, water-cooled
- Power output: 331 kW / 450 HP @ 1500–1650 rpm
- Max. torque: 2,275 Nm @ 1250 rpm
- Emission standard: EU Stage IV (T4f) with SCR (AdBlue) & EGR
- Stepless mechanical-hydraulic drive 0–40 km/h @ 1500 rpm
- Automatic drive management
- Fuel tank approx. 600 L (2 × 300 L)
- AdBlue tank 60 L

Cab & Operator Comfort

- Suspended Claas-Vredo SuperComfort cab
- Fully automatic climate control
- Radio/CD with Bluetooth & external microphone
- Integrated armrest console with joystick & touchscreen terminal
- Live machine data display (pressures/temperatures)
- Grammer Maximo air-suspended seat
- Instructor seat
- Electrically adjustable & heated mirrors incl. wide-angle mirror
- Cruise control

Driveline & Axles

- Mechanical differential locks front & rear
- Permanent rear-wheel drive, engageable front axle (4WD)
- Speed ranges:
  - Field: 0–20 km/h
  - Road: 0–40 km/h
- Engine / downhill brake
- Steering modes: 2-wheel, 4-wheel & crab steering
- BKT 1050/55R32 tyres (new)
- Suspended front axle with level control & stability control

Linkage & Hydraulics

- Proportional rear 3-point linkage with torsion suspension
- Active control: draft, float or pressure relief mode
- Rear linkage control via remote at tank
- Automatic central lubrication system (4L reservoir)

Hydraulic pumps:

- Closed system pump 177 l/min – 420 bar (slurry pump drive)
- LS pump 170 l/min – 200 bar (external hydraulics)
- LS pump 170 l/min – 200 bar (PF unit)
- LS pump 86 l/min – 200 bar (cooling / optional TPIS)
- Pressure-compensated valves

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- 4 rear hydraulic valves
- Free return line ½”

ZBV 19500V Tank – 19.5 m³

- Full fiberglass tank on steel frame with twist-lock system
- Lightweight construction
- Capacity: 19.5 m³
- Easy removable via twist-lock system
- Open ventilation system
- Automatic pump shut-off when full/empty
- Hydraulically liftable for maintenance
- 2 × 6” suction hoses (4 m PVC)
- 2 LED rear work lights
- LED rear road lighting
- License plate holder with lighting
- Beacon & rear camera
- 2 inspection hatches on top
- Extra large mud flaps

Pump-Filter Unit PF9020 (9,000 l/min)

- Vogelsang VX186-390QD positive displacement pump with spiral pistons
- Equipped with axial wear plates
- Reversing function via touchscreen
- Filling at reduced engine speed (1,200 rpm)
- Vredo FT5200 cutter filter with debris discharge (cab controlled)
- 8” suction arm, 120° pivoting
- Flexible suction arm via slewing ring
- 6” front suction connection, 160° pivoting
- Electric/hydraulic operation
- Application rate independent of driving speed & working width
- LED road lighting integrated in front bumper
- Flexible access step in bumper
- Work light & aeration on loading arm (standard)

Weighing & Sampling System
Weighing system:

- On-board weighing system
- 4 × 10-ton load cells
- CAT-4 calibrated
- Printer with readout
- Inclination sensor
- Integrated into twist-lock system

Sampling system:

- VMA AGR 24V pneumatic
- Float controlled
- Barcode hand scanner
- Fully installed and calibrated

Trimble GPS RTK System

- Trimble Autopilot RTK with GFX-1060 display
- AG25 GNSS antenna mounted on tank
- Fully integrated into steering system

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- RTK accuracy: 0–2 cm
- Including RTK SIM modem (subscription excluded)
- Fully built and tested

ISO Section Control

- GeoSwitch-ISO controller
- Automatic section shut-off
- Variable rate application via prescription maps
- No additional spreader controller required

Tyre Pressure Control System

- Screw compressor 3,500 l/min
- Operated via touchscreen terminal
- Two programmable pressure presets
- Live tyre pressure display (front & rear axle separately)

Safety & Extras

- Reversing alarm
- Rear-view camera with LCD colour monitor & speaker
- Provision for second camera
- Telescopic cylinder for tank tipping
- 2 beacons on cab
- LED headlights in front bumper
- 2 LED work lights behind cab
- 2 LED work lights under cab
- 4 LED work lights on cab roof
- Compressed air system for cab & cooler cleaning
- Fresh water tank 43 L
- Storage compartment 100 L
- Rear air connection
- Extendable inspection ladder
- Fire extinguisher 5 kg
- Including emergency service kit

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