R100E

Volvo Rigid Haulers  95.0 t  1 065 hp
Welcome to our world

Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability and innovation. A world which we put our customers at the heart of.

Welcome to the world of Volvo Construction Equipment – we think you’re going to like it here.

Working harder, working smarter

For over 180 years Volvo has been a pioneer in the design and manufacture of machines which set the standard for efficiency, performance and uptime. Across our range of excavators, wheel loaders and haulers, our reputation for engineering excellence is unrivalled, which means whatever your operation or application, we can provide a total fleet solution to help you succeed.

Building on our proud history, the Volvo Concept Lab continues to create cutting-edge ideas and innovative concepts, to ensure we offer customers machines which work harder and smarter long into the future.
Solutions for you

Our industry-leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

**Designed for your business**
Structured across nine blocks, our portfolio of products and services are designed to complement your machine’s performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

**There when you need us**
Whether you’re buying new or used, our global network of dealers and technicians offer around-the-clock support, including machine monitoring and world-class parts availability. It’s the basis of everything offered by Volvo Services, so you can be confident we’ve got you covered right from the start.
Drive your costs down

Drive your operating costs down with the all-new Volvo R100E. Built with highly efficient components, the rigid hauler offers long service intervals and component lifecycles. Get the most out of your investment with the fuel-efficient hauler, your partner for all mining and quarrying applications.

**Designed for distance**

Save time and money with the R100E. The heavy-duty machine is engineered to extend service intervals, helping you cut maintenance costs and optimize uptime. Achieve unbeatable long-term value and longevity of major components with our reliable hauler.

**Heavyweight hauler**

Go the extra mile with the optimally balanced R100E. Offering a low center of gravity and even weight distribution, the solid machine spreads the load impacts and structural stresses equally across the truck. The outcome is superb machine and tire longevity leading to significantly reduced operating costs. Leave it to Volvo to find the right balance.

**Long life, low costs**

Component longevity is key to a low cost of operation. That’s why your machine is rigorously tested under extreme working conditions to meet high component lifecycles industry standards. Do more in the long haul with the new E-Series rigid hauler promoting, as a standard, two retardation systems for high levels of safe performance, while safeguarding primary brake life.

**Volvo Dynamic Shift Control**

Haul it all thanks to our fully automatic adaptive transmission gearshift patterns, further enhanced and payload sensitive if equipped with our On-Board Weighing option. Adapting to varying conditions, Volvo Dynamic Shift Control delivers productive performance through a smooth, consistent ride and low fuel consumption.
E FOR EFFICIENCY

Move more with less fuel thanks to the latest technology built-into the R100E rigid hauler. The electronic integration between the engine and transmission achieve premium drivetrain performance, resulting in smooth gearshift quality and consistent machine momentum. Reduce your number one operating cost with Volvo.
Offering a true 95-tonne payload, the R100E is designed to do more. Thanks to its optional exhaust-heated V-shaped body, the 60.4 m³ capacity hauler ensures optimum load retention and minimal material carry-back. For long lasting performance, the body is manufactured from high impact and high abrasion resistant steel. Enhance productivity with our 10-10-20 payload profile policy (please ask your local dealer for more detailed information).
Move more, earn more

Meet production targets faster with the largest rigid hauler in the Volvo portfolio. Offering the winning combination of power and performance, the 95-tonne machine hauls more tonnes per hour. Move more and earn more with Volvo.

Move more – faster
Get the job done with the R100E, powered by the premium engine. Delivering high torque capabilities, the combined drivetrain provides unparalleled pulling performance and class-leading rimpull for optimum travel time. Thanks to the fast body-tipping system, you can count on the R100E to achieve fast cycle times for an all-round efficient performance.

Up to the challenge
No terrain is too deep or steep for the R100E. Thanks to the complete drivetrain design and configuration, the hauler yields impressive tractive effort, enabling you to tackle tough job site conditions and navigate gradients effortlessly. With high drive axle multiplication, the machine delivers high levels of rimpull for excellent performance on steep slopes.

Real-time tonnage
Unlock the secret to your hauler’s productivity using our optional On Board Weighing (OBW) technology from Volvo. The integrated system ensures the machine moves the optimum safe payload and logs all transported loads for complete production management, providing real-time data on the on-board display.

Smart systems
Take your productivity to the next level thanks to smart systems – such as Volvo Site Simulation – for optimum site efficiency and minimal operational costs. To increase the productivity of your existing and future projects, utilize Volvo Site Simulation, which provides valuable information about your machinery, fleet choices and site configuration.
Safety at the center

Safety is built into every design element of Volvo machines – and the R100E rigid hauler is no exception. Featuring a ROPS/FOPS-certified cab, proven safety systems and straightforward service access, the R100E is safe from the inside out.

Solid stability
Featuring a low center of gravity, the rigid hauler is engineered to provide rock-solid stability. Conquer challenging conditions thanks to the expertly designed body and chassis, which work in harmony with the responsive suspension and steering geometry, for ultimate machine stability.

Safety as standard
Rain or shine, know no limits with the Volvo R100E, promoting a transmission retarder as a standard. The proven feature provides excellent safe machine control in all downhill conditions, making it the ideal machine for all your mining and quarrying applications.

Total access
Whether operating or servicing your R100E, gain safe and straightforward entry to the machine using anti-slip steps and secure walkways. From the wide platform or ground level, safely complete essential planned maintenance. For added protection and peace of mind – particularly during servicing – use integral safety locks to isolate the machine system.

Always in control
Operate with complete confidence thanks to a host of safety systems, such as the transmission overspeed protection feature, engineered to automatically slow down the machine to within safe operating limits. Machine control is enhanced by the neutral coast inhibitor, which protects the hauler in downhill operations. For added security, the R100E features fail-safe braking and secondary steering systems.
Safe from the inside out

There’s no compromise when it comes to safety. That’s why all machine systems on the R100E, such as the easily accessible emergency shutdown switches, have been designed and verified to protect the safety of you and your crew. From the ROPS/FOPS-certified cab, experience superb visibility, enhanced by Volvo Smart View, an integrated feature that helps you keep an eye on the surrounding job site traffic.
The robust and reliable R100E delivers superior, long lasting performance. Engineered with uptime in mind, the heavy-duty hauler is uncomplicated in its design, and purpose-built to achieve optimum productivity shift after shift, day in and day out.
Access more uptime

Access more uptime with the R100E, designed to work for you. The machine design is purpose-built to meet the demands of tough job site conditions, including conveniently grouped service points for efficient maintenance tasks. Add a range of aftermarket solutions and the result is optimum machine availability.

Ease of serviceability
Ease of access not only optimizes safety, but it also maximizes machine uptime. All service points are strategically grouped and within reach from the ground and service platform. To simplify mechanical servicing, the hauler features common-sized bearings and direct bolt-on wheel rim connections. Inside the cab, access top-level diagnostic data using the operator-friendly dashboard for fast analysis and solutions.

Durable by design
Built to last, the R100E is durable by design. The high strength, flexible chassis structure and responsive MacPherson strut with lower wishbone connection absorb potentially damaging shocks and vibrations that can occur when operating. Regardless of environmental conditions, you can depend on the hydraulics to remain clean and protected against contamination for optimum machine availability.

Here to support you
The exclusive Volvo dealer network is here to support you whenever you need it. Volvo offers a number of services, local knowledge and global mining experience, including superb parts availability. Speak to your local Volvo dealer for more information about uptime-enhancing solutions, such as Volvo Services Agreements (VSA) and extended warranties.

Robust protection
Working in challenging conditions means every component must be protected. With the Volvo R100E, you can rely on a strong design and excellent build quality. Ensure long component lifecycle and machine uptime thanks to the latest generation transmission control system, neutral coast inhibitor and overspeed protection features.
Operator’s choice

Not only a highly efficient machine, the R100E also brings operator productivity to the fore – starting with comfort and control. Offering 360° visibility, responsive steering, ergonomic controls, low noise and solid stability, the Volvo cab is as good as it gets.

Every angle in view
Take on the tough stuff from the comfort of the industry-leading cab, boasting an impressive 360° bird’s eye view of the work zone thanks to Volvo Smart View. The operator seat is located to the left side of the cab, enabling you to observe all surrounding areas. Forward visibility is enhanced thanks to the large windscreen, offering excellent line of sight.

Tailor-made to meet your needs
Customize your comfort for increased productivity throughout the working day. The Volvo air suspension operator seat and tiltable, telescopic steering wheel can be fully adjusted to match your preferred operating position. With the standard Bluetooth enabled audio system, you can stay connected.

Comfortably productive
Get comfortable with doing more in the pressurized Volvo cab, offering all-around visibility, climate control, and ample storage and legroom. From the adjustable operator seat, easily access displays and responsive fingertip controls, ergonomically positioned to keep the focus on the operation.

Low noise, high comfort
Stay focused in the Volvo cab, offering remarkably low noise levels. Built-in sound insulation eliminates distracting noises, while the viscous isolated mounted cab and hydraulic suspension system minimizes ground vibrations and surrounding job site noise. Because a happy, comfortable operator enhances overall productivity and performance.
Smooth Operation

Enjoy superior ride quality and comfort in the robust R100E, equipped with responsive MacPherson strut with lower wishbone connection and viscous-mounted cab for minimal ground impact and vibrations. The responsive, low-effort steering system and geometry, combined with the suspension, optimizes maneuverability by minimizing lean on tight corners. With the R100E, heavy-duty hauling has never felt so easy.
Haul it all

Comfortably productive
The pressurized cab offers superb visibility, climate control, ample space, as well as ergonomic displays and fingertip controls.

E FOR EFFICIENCY
Reduce your number one operating cost thanks to the latest technology built into the R100E rigid hauler.

Robust protection
Ensure long component lifecycle with the transmission control system, neutral coast inhibitor and overspeed protection.

Long life, low costs
The R100E offers a standard transmission retarder, promoting extended service brake life, safety and performance.

BUILT READY
Achieve long lasting performance and uptime thanks to the simple and uncomplicated machine design.

Volvo Dynamic Shift Control
Haul it all thanks to fully automatic adaptive transmission gearshift patterns, payload sensitive if equipped with On-Board Weighing.
Offering a true 95-tonne payload, the optional exhaust-heated V-shaped body optimizes load retention and minimizes material carry-back.

FULLY LOADED

Protect you and your crew with the ROPS/FOPS Volvo cab, featuring easily accessible emergency brake switches and Volvo Smart View.

SAFE FROM THE INSIDE OUT

Enjoy superior ride quality and comfort thanks to minimal ground impact and vibrations, and easy maneuverability.

SMOOTH OPERATION

Do more in the long haul with the R100E, offering long component lifecycles and extended service intervals.

Designed for distance

Unlock the secret to your hauler’s productivity with the OBW system, designed to ensure you shift the optimum safe payload.

Real-time tonnage

Navigate gradients with ease thanks to superb tractive efforts offered by the complete drivetrain design and configuration.

Up to the challenge
Volvo R100E in detail

**Engine**

<table>
<thead>
<tr>
<th>Model</th>
<th>Cummins QST30 CAC, TIER2, 783KW</th>
</tr>
</thead>
</table>
| Type  | Electronic controlled, four cycle, direct injection diesel, water cooled, turbocharged and charge air cooled. High-speed Electronic Control Module (ECM) is isolated from detrimental vibration loading. Fully-sealed wiring harness with fail-safe connectors integrates the ECM with the engine sensors for optimized engine performance, monitoring and protection.
| Cylinder/configuration | 12 / V-Configuration |
| Displacement | 30.5 |
| Bore x Stroke | 140 x 165 |
| Max. power at r/min | 2 100 |
| Gross power (SAE J1995) kW | 783 |
| Net power kW | 1 065 |
| Max. torque at r/min | 1 300 |
| Gross torque Nm | 4 631 |
| Engine emissions | Meets USA EPA Tier 2/CARB 40CFR 1039 and CARB 40CFR 1068 non-road mobile machinery directive, Stage 2 |
| Electrical Altitude - electronic derate m | 2 500 |

**Steering System**

Primary steering hydraulic pressure is provided by an independent nitrogen charged hydraulic accumulator supplied by a pressure compensating piston pump. The accumulator circuit provides instant, uniform steering response regardless of the engine speed. Pilot operated remote mounted orbitrol control valve delivers light, responsive steering control.

Secondary steering is provided by an independent nitrogen charged hydraulic accumulator. The accumulator stored pressure is verified to provide safe navigation of the truck in the event of a primary hydraulic failure. The secondary steering application is independent of any electrical/powertrain source, even if there is a failure of engine, transmission or vehicle electrical system.

**Axles**

The rear wheels are driven through a double reduction drive axle. Torque multiplication takes place through the bevel gear differential, then transmitted through fully floating shafts to the planetary reduction gears in the wheel hubs where final torque multiplications takes place.

<table>
<thead>
<tr>
<th>Standard</th>
<th>Differential ratio</th>
<th>2.16 : 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planetary reduction</td>
<td>13.75 : 1</td>
<td></td>
</tr>
<tr>
<td>Overall drivetrain reduction</td>
<td>29.7 : 1</td>
<td></td>
</tr>
<tr>
<td>Optional</td>
<td>Differential ratio</td>
<td>Traction Bias Differential Ratio 2.16:1</td>
</tr>
</tbody>
</table>
| Planetary reduction | The automatic spin reducing function is provided by means of a multi-plate friction clutch mounted to one side of the gears in the differential assembly.

The 2 side (pinion) gears have a friction link (bias torque) between them which reduces the risk of one wheel spinning freely should the truck encounter slippery or loose ground surface conditions.

**Frame**

Fabricated from box-section steel rails with high-strength steel castings in key stress locations absorbing the worksite impacts for long durable lifecycles. The closed 'horse collar' allows for flexibility in the frame to dissipate twists and loads while incorporating a reserve of structural strength well in excess of that required to absorb the stresses imposed by high impact loading and when travelling on uneven, high rolling resistance applications.

Fuel and hydraulic tanks suspended mounts off the frame.

**Body**

Tapered profile with longitudinal v-slope floor plate (Double V-type body) that provides excellent center of gravity for load profile stability on all hauling conditions.

Manufactured from high abrasion and impact resistant steel (Hardox 400) for superior lifecycle. Horizontal side stiffeners dissipate shock loads across the entire side plate.

Mounted on 'floating' pins for minimal structural stress during empty and full transportation.

NB. Hardox 400 Specification

| Body steel 360-440 BHN |
| Body, yield strength 1000 MPa |
| Body, tensile strength 1,250 N/mm² |

**Plate thickness**

| Floor mm | 20 |
| Sides mm | 10 |
| Front mm | 10 |

**Body volume**

| Stuck m³ | 41.1 |
| Heaped 2:1 (SAE) m³ | 60.4 |

**Tires and rims**

| Tires type | 27-49 |
| Rims mm | 19.5 |
### Drivetrain

<table>
<thead>
<tr>
<th>Transmission</th>
<th>Allison H8610 ORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembly</td>
<td>Planetary gear type transmission with integral torque converter and hydraulic fluid retarder. Electronically controlled connected to engine system via CANBUS. Automatic lock up in all speed ranges. Mounted mid-chassis for ease of access and excellent machine weight distribution.</td>
</tr>
<tr>
<td>Electronic control</td>
<td>Volvo Dynamic Shift Control</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum speed, forward/reverse</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1st gear km/h</td>
<td>9 / 6</td>
</tr>
<tr>
<td>2nd gear km/h</td>
<td>16</td>
</tr>
<tr>
<td>3rd gear km/h</td>
<td>22</td>
</tr>
<tr>
<td>4th gear km/h</td>
<td>28</td>
</tr>
<tr>
<td>5th gear km/h</td>
<td>37</td>
</tr>
<tr>
<td>6th gear km/h</td>
<td>50</td>
</tr>
</tbody>
</table>

### Suspension

*Front: Independent self contained Macpherson type, variable rate (Nitrogen/Oil) suspension struts with lower wishbone. Widely spaced for high levels of machine stability and easy maneuverability. Rear: Independent self contained variable rate (Nitrogen/Oil) - inerly mounted - suspension struts connected to chassis via trailing A-frame and lateral stabilizer bar.*

| Maximum front strut stroke mm | 244.6 |
| Maximum rear strut stroke mm  | 165.1 |

### Brake system

*Fulfills ISO 3450 : 2011 for off-road machinery.*

<table>
<thead>
<tr>
<th>Front brakes type</th>
<th>Independent hydraulic apply, dry disc single caliper. Incorporating independent nitrogen / hydraulic pressure accumulator for instant braking response and reserve pressure.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front brake diameter mm</td>
<td>965</td>
</tr>
<tr>
<td>Front brakes lining area cm²</td>
<td>2 015</td>
</tr>
<tr>
<td>Rear brakes type</td>
<td>Independent force cooled, oil immersed, multi-disc enclosed brakes. Twin piston, service and park / emergency brake. Emergency brake spring apply / hydraulic release (SAHR Brake). Service piston is used for rear brake retardation for safe machine control.</td>
</tr>
<tr>
<td>Rear brake lining area cm²</td>
<td>88 500</td>
</tr>
</tbody>
</table>

### Hoist

<table>
<thead>
<tr>
<th>Hydraulic system conforms to ISO 4406</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>System relief pressure MPa</td>
<td>190</td>
</tr>
<tr>
<td>Pump output flow rate l/min</td>
<td>554</td>
</tr>
<tr>
<td>at r/min</td>
<td>2 100</td>
</tr>
<tr>
<td>Body raise time s</td>
<td>11</td>
</tr>
<tr>
<td>Body lower time s</td>
<td>13</td>
</tr>
</tbody>
</table>

### Service refill

| Engine crankcase and filters l | 136 |
| Transmission and filters l    | 91  |
| Cooling system l              | 304 |
| Fuel tank l                   | 1 290|
| Steering hydraulic system (total) | 61  |
| Body hydraulic tank l         | 420  |
| Planetaries (total) l         | 78  |
| Differential l                | 95  |
| Front ride strut (each) l     | 34  |
| Rear ride strut (each) l      | 36.6 |
| Power take off l              | 4    |

### Weights

| Chassis with hoists kg          | 53 350 |
| Body standard kg                | 16 200 |
| Net weight kg                   | 69 550 |
| Maximum payload kg              | 95 000 |
| Maximum gross weight* kg        | 164 550|
| Weight distribution (axles)     | FRT / REAR |
| - Empty %                       | 48 / 52 |
| - Loaded %                      | 33 / 67 |

*Target gross vehicle weight with options, full fuel tank and target payload.

### Sound Level

<table>
<thead>
<tr>
<th>Sound level in cab according to ISO 6396/SAE J2105</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LpA dB(A)</td>
<td>77</td>
</tr>
<tr>
<td>External sound level according to ISO 6395/SAE J2104</td>
<td></td>
</tr>
<tr>
<td>LwA dB(A)</td>
<td></td>
</tr>
</tbody>
</table>
Specifications

Gradeability - R100E 8610 ORS

Retardation - R100E 8610 ORS
Specifications
<table>
<thead>
<tr>
<th>Description</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>H Overall height</td>
<td>mm 5 070</td>
</tr>
<tr>
<td>H1 Loading height</td>
<td>mm 4 380</td>
</tr>
<tr>
<td>H2 Raise height</td>
<td>mm 9 576</td>
</tr>
<tr>
<td>H3 Front axle ground clearance</td>
<td>mm 675</td>
</tr>
<tr>
<td>H4 Tail clearance</td>
<td>mm 1 042</td>
</tr>
<tr>
<td>H5 Cab height</td>
<td>mm 4 825</td>
</tr>
<tr>
<td>H6 Bumper ground clearance (no TH)</td>
<td>mm 956 (785 to tow hook)</td>
</tr>
<tr>
<td>H7 Ladder ground clearance</td>
<td>mm 598</td>
</tr>
<tr>
<td>H8 Frame ground clearance</td>
<td>mm 806</td>
</tr>
<tr>
<td>H9 Rear axle ground clearance</td>
<td>mm 785</td>
</tr>
<tr>
<td>B Overall width</td>
<td>mm 6 986</td>
</tr>
<tr>
<td>B1 Body width</td>
<td>mm 5 706 (not including cab guard)</td>
</tr>
<tr>
<td>B2 Rear over tires</td>
<td>mm 5 042 (5 147 at SLW)</td>
</tr>
<tr>
<td>B3 Front track</td>
<td>mm 4 403</td>
</tr>
<tr>
<td>B4 Rear track</td>
<td>mm 3 420</td>
</tr>
<tr>
<td>L Overall length</td>
<td>mm 10 922</td>
</tr>
<tr>
<td>L1 Wheel base</td>
<td>mm 4 850</td>
</tr>
<tr>
<td>L2 Center front axle to bumper</td>
<td>mm 2 890</td>
</tr>
<tr>
<td>L3 Center rear axle to tipped tail</td>
<td>mm 2 440</td>
</tr>
<tr>
<td>SAETR SAE turning radius</td>
<td>mm 11 494</td>
</tr>
<tr>
<td>CTR Clearance turning radius</td>
<td>mm 13 062.4</td>
</tr>
<tr>
<td>A1 Body dump angle</td>
<td>° 47</td>
</tr>
<tr>
<td>A2 Approach angle</td>
<td>° 22.5 (19 to tow hooks)</td>
</tr>
<tr>
<td>A3 Frame angle</td>
<td>° 10</td>
</tr>
</tbody>
</table>

**Vehicle measurements assumptions / variables**
- Measurements to be taken on flat ground
- Truck should be unladen
- Bridgestone VRLS Tires should be used
- Tire pressure should be set as per manual
- Suspension should be set at normal operating height
## Equipment

### STANDARD EQUIPMENT

**Engine**
- Air cleaner with aspirator (vacuum)
- Turbocharged and charge air cooler
- Direct drive fan
- Electronically controlled with Shift Energy Management (SEM)
- Engine safe mode
- Fuel filter/water separator
- Pre-lube system
- Sump guard
- Engine enclosures (rubber)

**Drivetrain**
- Full automatic transmission with manual override
- Shift Energy Management
- Torque converter with automatic lockup
- Volvo Dynamic Shift
- Double reduction planetaries for increased rimpull

**Electrical system**
- Alternator
- Batteries
- Battery disconnect switch (tag lock out)
- Engine disconnect switch (tag lock out)
- Emergency engine shutdown (ground level)
- Direction indicators and hazard warning
- Lights - side, tail, stop and headlights
- LED tail lamps
- Power ports - 12V and 24V
- Reverse alarm
- Reverse lights

**Brake system**
- Hydraulically operated system with independent front and rear control systems
- Park brake - electric switch, spring applied hydraulic release
- Secondary brake - pedal controlled, modulates rear park brake piston
- Retardation - finger tip control of transmission retarder or lever mounted on the steering column giving modulated pressure control of the rear oil cooled brakes

**Body**
- Rock ejectors

**Safety**
- Volvo Smart View
- Anti-slip steps and platforms
- Body down indicator
- Body - operator guard LHS
- Body - up locking pins
- Body - up reverse to neutral inhibitor
- Body - up shift inhibitor
- Brakes - independant front and rear systems
- Secondary brake foot pedal
- Emergency SAHR brake
- Battery disconnect switch (tag lock out)
- Engine disconnect switch (Tag lock out)
- Emergency engine shutdown (ground level)
- Cab - ROPS and FOPS
- Electro magnetic compatibility
- Handrails on steps and platform

### STANDARD EQUIPMENT

**Comfort**
- Air suspended seat
- Heating, Ventilation and Air Conditioning - HVAC
- Interior lights
- Radio - Bluetooth
- USB power take-off
- Cup holder
- Insulation thermal and acoustic
- Storage compartments
- Sun visor
- Tilt/telescopic steering wheel
- Tinted glass
- Operator information interface
- MacPherson type front suspension with lower wishbone

**Exterior**
- Mud flaps
- Diagnostic terminal
- Front and rear tow points

**Service and maintenance**
- Pressure check points

**Tires**
- Standard Bridgestone tires
### Optional Equipment

#### Engine
- Fast fuel
- Clutch engine fan

#### Drivetrain
- Traction bias differential
- Inline fuel heater
- 9000 series transmission
- Transmission sump guard

#### Electrical System
- Heated and adjustable electrical mirrors
- Remote jump start points
- Working light kit
- LED headlamps

#### Cab
- Cab heater (-40°C)

#### Body
- Onboard Weighing System
- Body Exhaust Heating
- Body Extensions upon request
- Body liner plates (available with full weight or half weight)

#### Safety
- Fire suppression system
- Orange flashing beacon

#### Service and Maintenance
- Quick oil drain kit
- -40°C Arctic Kit
- Central (Beka) autolube
- Service light kit

#### Tires
- Bridgestone standard supply
- VRLS
- VMTS
- Michelin tires
- XDR2-B
- XDT-A4
- XKD1A
- XDRA