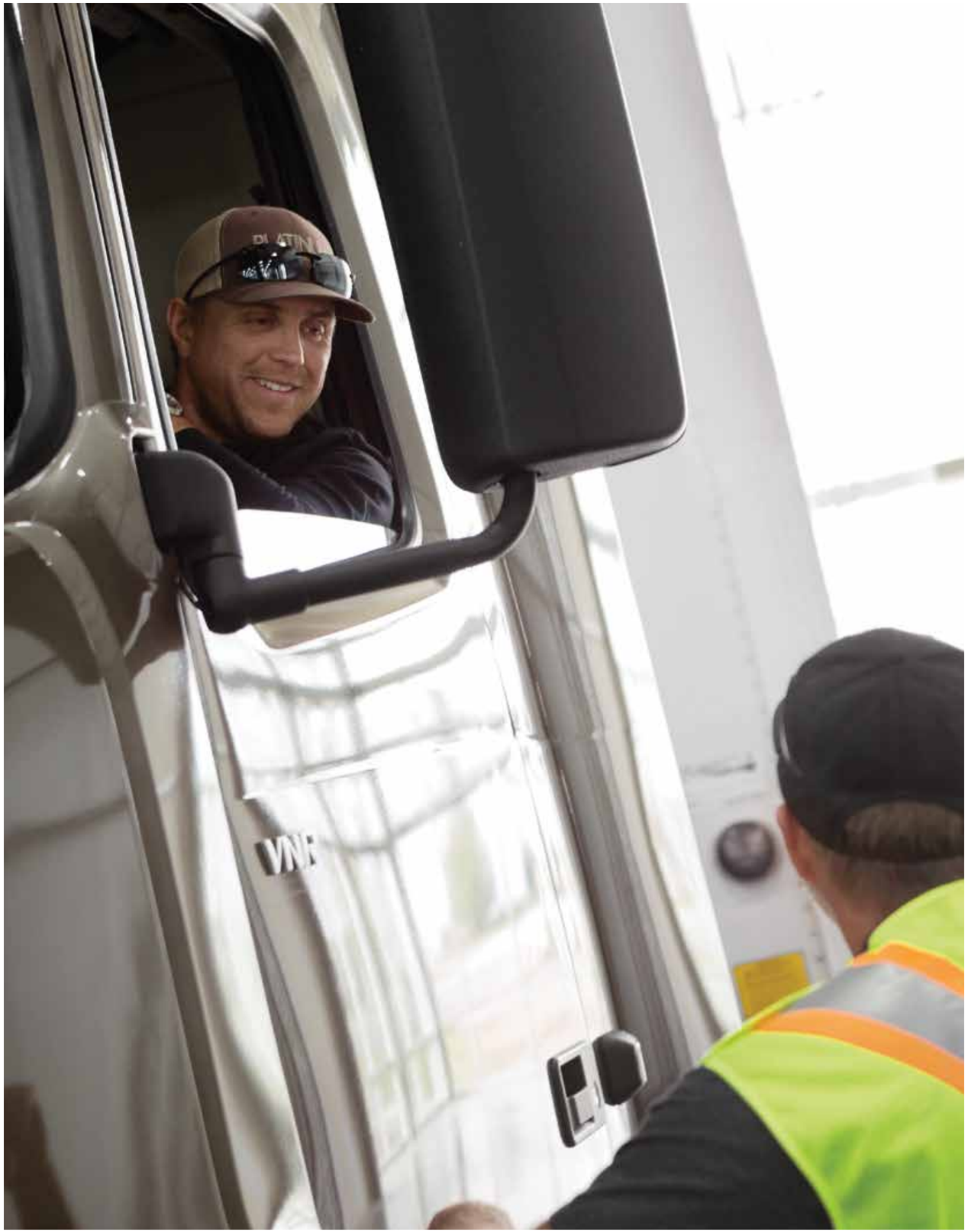
Volvo Trucks. Driving Progress

VOLVO VNR SERIES

REGIONAL VERSATILITY—PREMIUM PRODUCTIVITY



SEE THE DIFFERENCE
EVERY DIFFERENCE MAKES

Fuel Efficiency:
Improving your bottom line.

Volvo maximizes fuel efficiency by bringing the right combination of solutions together to work in perfect harmony.

pg. 22

Driver Productivity:
Designed to compete.

Precisely refined, the VNR's productive driving environment puts the driver comfortably in command.

pg. 30

Safety:
Leading-edge technology.

Advanced accident avoidance and driver protection systems ensure that Volvo trucks are the safest on the road.

pg. 38

Uptime:
Confidence and control, customized.

Select from a suite of uptime products and services to keep your fleet running on schedule.

pg. 46

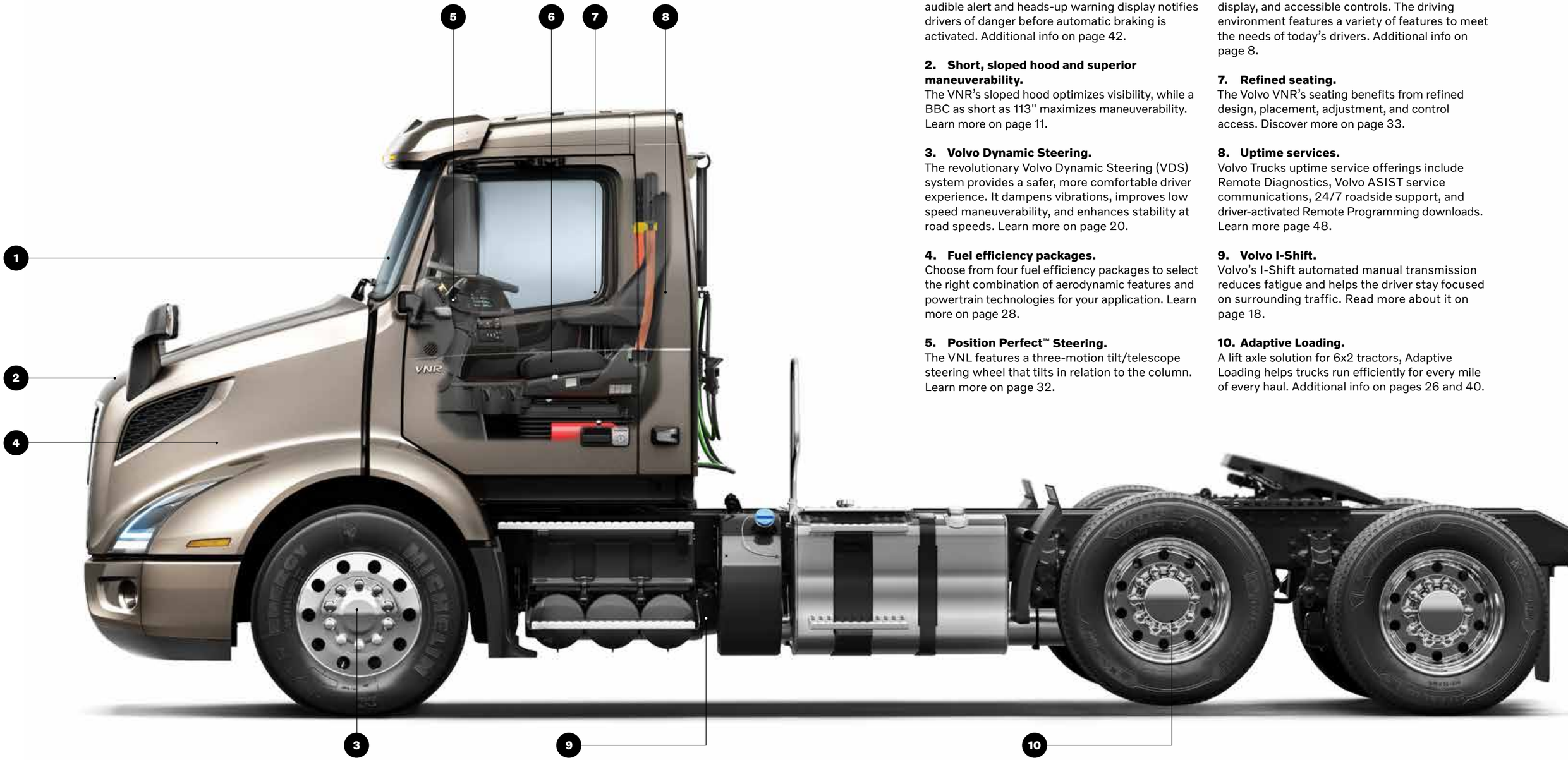
The future of regional hauling

The Volvo VNR represents the future of regional haul. This truck does not compromise, delivering productivity and efficiency with quality and long-haul amenities.

It features a dramatic exterior that's impossible to ignore. Distinctive contours enhance airflow, while state-of-the-art LED lighting provides improved visibility and reduced maintenance. Inside, seating has been optimized to be even more ergonomic, while the dashboard and steering wheel bring controls and information efficiently to the driver, minimizing distraction.

Fuel efficiency, driver productivity, safety, and uptime—it's everything you want in a regional haul tractor. In short, it's everything you'd expect from Volvo Trucks.

Ten reasons to love the Volvo VNR



1. VADA/Forward collision warning.
Volvo Active Driver Assist (VADA) helps drivers maintain a safe following distance. While an audible alert and heads-up warning display notifies drivers of danger before automatic braking is activated. Additional info on page 42.

2. Short, sloped hood and superior maneuverability.
The VNR's sloped hood optimizes visibility, while a BBC as short as 113" maximizes maneuverability. Learn more on page 11.

3. Volvo Dynamic Steering.
The revolutionary Volvo Dynamic Steering (VDS) system provides a safer, more comfortable driver experience. It dampens vibrations, improves low speed maneuverability, and enhances stability at road speeds. Learn more on page 20.

4. Fuel efficiency packages.
Choose from four fuel efficiency packages to select the right combination of aerodynamic features and powertrain technologies for your application. Learn more on page 28.

5. Position Perfect™ Steering.
The VNL features a three-motion tilt/telescope steering wheel that tilts in relation to the column. Learn more on page 32.

6. Redesigned dashboard/Upgraded interior.
The well-organized dashboard combines easy-to-read gauges, a configurable driver information display, and accessible controls. The driving environment features a variety of features to meet the needs of today's drivers. Additional info on page 8.

7. Refined seating.
The Volvo VNR's seating benefits from refined design, placement, adjustment, and control access. Discover more on page 33.

8. Uptime services.
Volvo Trucks uptime service offerings include Remote Diagnostics, Volvo ASIST service communications, 24/7 roadside support, and driver-activated Remote Programming downloads. Learn more page 48.

9. Volvo I-Shift.
Volvo's I-Shift automated manual transmission reduces fatigue and helps the driver stay focused on surrounding traffic. Read more about it on page 18.

10. Adaptive Loading.
A lift axle solution for 6x2 tractors, Adaptive Loading helps trucks run efficiently for every mile of every haul. Additional info on pages 26 and 40.

Not just workspace, a space that works

The dashboard on the VNR has been optimized to reduce distraction by displaying the critical information a driver needs at a quick glance, and by grouping frequently used controls within easy reach.

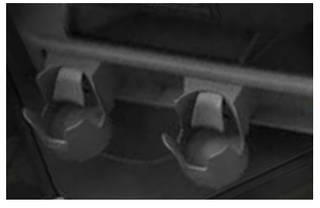
A configurable driver information display that works with steering wheel-mounted controls provides key operating information, as well as the ability to choose your preferred diagnostic data.

A dash-top tray with multiple connections provides a safe, convenient home for a driver's many gadgets, which can also be linked to an optional in-dash infotainment system.

Always in view, the instrument cluster's clean, symmetrical layout, and diffused, light-green backlighting makes it easy to read, reducing eyestrain and fatigue.

Learn more: USA: **VNR.volvotrucks.us** | CAN: **VNR.volvotrucks.ca**

Optional infotainment system.
Our infotainment system is available in every VNR. It features a seven-inch color touch screen and an integrated premium audio system. The infotainment system is Bluetooth® and Wi-Fi capable. Drivers can also choose to install navigation tools and a wide selection of third-party applications including Apple CarPlay.



Not just any cupholder.
The modular rail system allows for the addition of up to 4 cup holders or a variety of aftermarket storage options. A storage bin or mounting platform for mobile devices is available within the system. Modular rail accessories can be configured in any combination to suit the driver's requirements.

How urban legends are born

As the urban delivery market becomes increasingly competitive, you need a truck that's light on tare weight, not features. The cab of the VNR 300 brings precise refinement of the driving environment to a lightweight, efficient daycab. The cab interior is thoughtfully organized to keep daily-route drivers productive, comfortable, and happy.

An ergonomically optimized seating position is combined with a panoramic windshield and a short, sloped hood to provide a commanding view when navigating through congested city streets. With a wheel cut of up to 50 degrees and a BBC of just 113 inches, the VNR 300 delivers maximum maneuverability.

Efficiency—overnight or over the horizon

Because regional routes often stretch beyond day's end, Volvo VNR sleepers are optimized for efficiency in a wide variety of applications, providing hours of service compliance and the rest your drivers need for another day on the job. The VNR 400 delivers superb comfort and versatility, without the expense of a long-haul sleeper.

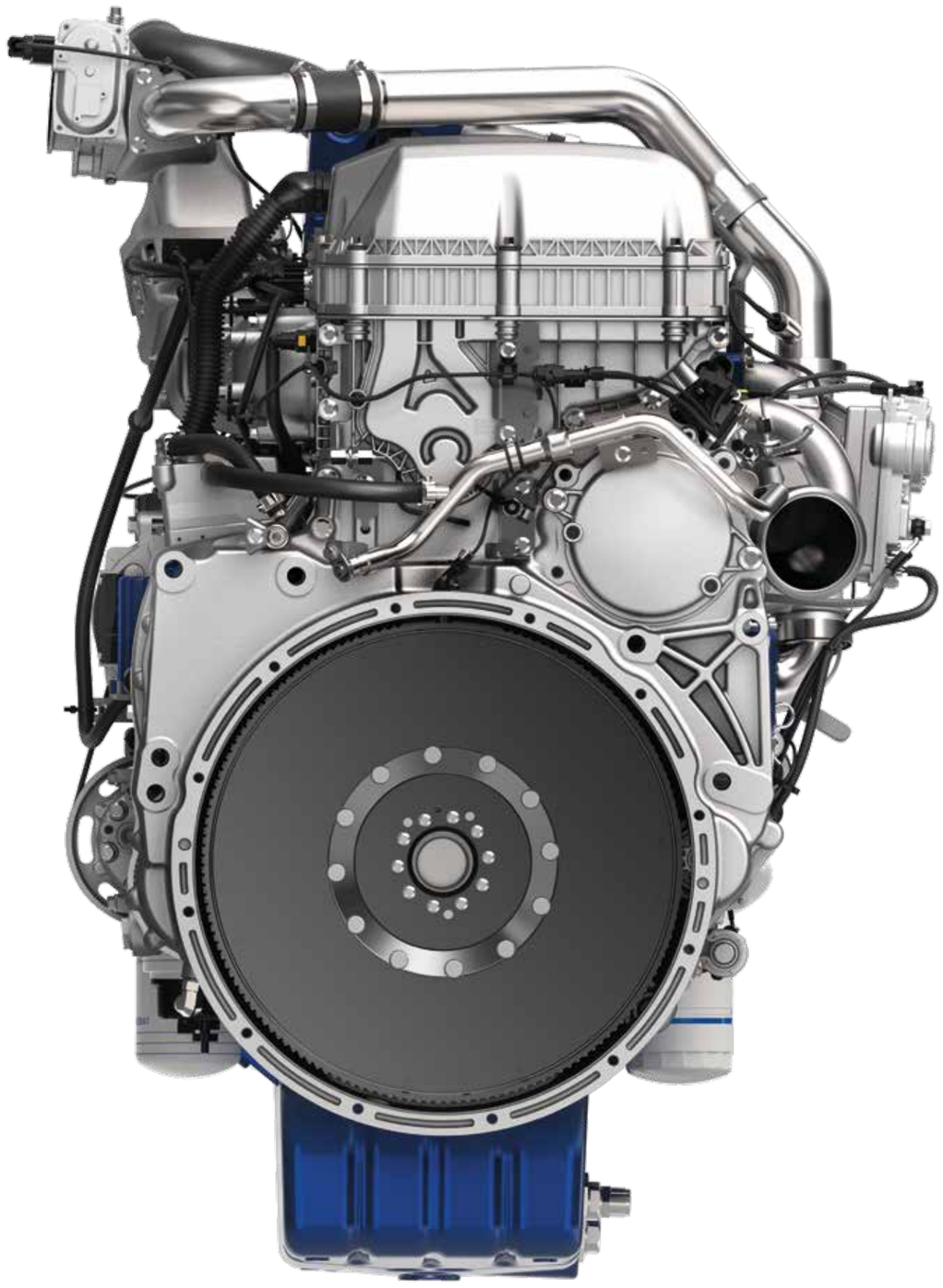
With a 42-inch flat-roof sleeper, the VNR 400 is well-suited for overnight, regional bulk-haul applications where overall height is a consideration. By packaging an efficient sleeper into a compact BBC, the VNR 400 maintains maximum maneuverability for busy loading sites or industrial deliveries.

Sometimes it’s good to be a Light Sleeper

Weight sensitive applications. Multi-night regional runs. When stops at home are more spread out on your regional routes, Volvo now has a complete line of 61-inch mid-roof and high-roof sleeper options which provide an ideal solution. The 164" bumper to back-of-cab length reduces the truck’s weight and allows for a wide range of trailer combinations for increased cargo capacity. The spacious sleeper areas provide extra room for catching up on paperwork or relaxing, and ample storage to keep your living area organized.

VNR 660 high-roof.
The VNR 660 high-roof configuration can comfortably accommodate an extra person for an overnight stop, making it a practical solution for local and regional routes that utilize team drivers. There is ample room for a refrigerator, microwave and television with storage above the driver and passenger seats. Our largest VNR sleeper can be selected with the Volvo Premier trim level interior, which includes wood-grain trim for the dash and cabinetry.

VNR 640 mid-roof.
Inside the VNR 640 cab, floor to ceiling measures a full 76.5", comfortably accommodating most drivers. The sleeper area accommodates a 36-inch mattress for the lower bunk and amenities more often found inside premium long haul cabs. A thick layer of insulation combined with some of the quietest running engines in the industry keep the interior comfortable and quiet whether you’re down for an hour or for the night.



Performance runs in the family

Volvo's family of engines is built on a foundation of proven, developed architecture that leverages innovative hardware to maximize performance and efficiency. Energy that is normally lost is recovered with standard features, including lower friction pistons that optimize cylinder efficiency. A standard common-rail fuel injection system now gets the most power out of every drop of fuel. Our reliable variable geometry turbocharger compresses and moves the intake air while providing the correct back pressure to drive the Exhaust Gas Recirculation (EGR) process. And reliability isn't sacrificed for greater efficiency. All Volvo D11 and D13 engines carry a B50 life of 1.2 million miles.

Volvo D11
325-425 hp, 1250-1550 lb-ft.

The Volvo D11 is a fuel-efficient, lightweight engine designed to improve reliability and minimize cost of operation. The D11 delivers performance competitive with larger engines, beginning at 325 hp and up to an impressive 425 hp at 1,550 lb-ft. torque. Ratings for eXceptional Efficiency (XE) and Eco-Torque are available. It's also a lighter solution for maximizing fuel efficiency in bulk, less-than-truckload, and distribution applications.

Volvo D13
405-500 hp, 1450-1850 lb-ft.

The Volvo D13's efficiency, power, and light weight improve operating costs while meeting GHG emissions standards. Multiple power ratings are available, from 405 to 500 hp.

The D13 is available in both XE and Eco-Torque ratings. Our XE rating features Dynamic Torque, an incremental torque system designed to provide the right torque at the right time. It provides an ideal solution for customers who desire the fuel economy of lower torque with the strong performance of higher torque.

An automated manual transmission with digital intelligence

Volvo continues to offer the industry's most advanced automated manual transmission. The Volvo I-Shift transmission includes advanced hardware and software, and a countershaft brake for excellent performance and smooth, fast shifting. The electronic control unit can handle any load and any road, shifting perfectly every time. Our D11 and D13 models offer outstanding clutch durability and torsional dampening. This keeps fuel costs down, helps slow driveline wear, reduces noise and vibration, extends transmission life, and lowers maintenance costs.

Whether your route includes rolling hills or steep mountain terrain, Volvo's I-See® predictive cruise employs self-learning knowledge of road topography to work with I-Shift, helping your drivers optimize the truck's speed and gear shifting.

Makes every driver more fuel-efficient.
Our I-Shift makes drivers more productive, using intelligent electronics to continuously monitor grade, speed, weight, and engine load, shifting when necessary or holding a gear—whichever saves more fuel. So regardless of experience or training, I-Shift helps every driver become more fuel-efficient.

Eases your mind and your left foot.
Once you drive an I-Shift, you'll never want to deal with a clutch pedal again. I-Shift lets you concentrate on the road, not on what gear you're in. The Volvo I-Shift offers three individual drive modes: Extra Economy, Economy, and Performance. These modes allow the driver to better optimize fuel efficiency for the vehicle with desired performance.

Brains, brawn, and value.
With a D11 or D13 engine, Volvo's torque rating for I-Shift goes up to 1,900 lb-ft., so it's compatible with any Volvo engine you choose for the VNR. I-Shift can also increase your truck's resale value. If your Volvo truck was purchased with a lower engine power rating, a simple software flash can uprate it to the highest power rating for its displacement—without having to replace the transmission.

Design changes save fuel and time.
I-Shift's redesigned transmission cooler optimizes fluid temperature in cold and warm climates, improving fuel efficiency. Connections throughout the transmission are also upgraded for faster maintenance during service stops.

Revolutionary control

The revolutionary Dynamic Steering (VDS) system is now available in the VNR and other select models. Dynamic Steering offers a safer, more comfortable experience for the driver. It adds torque to reduce steering strain at low speed, both in forward and reverse. VDS also makes adjustments to improve stability at road speeds when encountering crosswinds, highway crowning, soft shoulders or emergency situations like tire failure.

The system features a powerful electric motor mounted above the hydraulic steering gear to provide additional torque when necessary. It receives input 2000 times per second from sensors throughout the truck monitoring yaw rate, steering angle, wheel speed and the driver's own actions. Optimal steering input is constantly calculated based on the conditions.

Fewer aches and pains.
The VDS system dampens vibrations from rough roads and virtually eliminates the steering corrections needed in crosswinds. It keeps the driver on a straight course through small, precise directional adjustments. Over a full day's drive this means significantly less strain on the driver's arms, shoulders and neck.

Low speed maneuverability.
Dynamic Steering provides two big advantages when turning at low speeds and reversing in tight spaces. Additional steering torque automatically feeds into the system, allowing the driver to maneuver with a light touch. The steering wheel will return to center when released, saving driving effort and bringing the vehicle into a straight line quickly and easily.

Blowout assistance.
In the event of tire blowout, the vehicle will naturally pull to the side of the deflation. Dynamic Steering makes almost instantaneous adjustments to remove up to 85% (9 lb-ft.) of the torque a driver would normally feel. This can give the driver precious time to react and bring the vehicle to a safe stop without fighting the wheel.

FUEL EFFICIENCY

The path to efficiency is paved with innovation

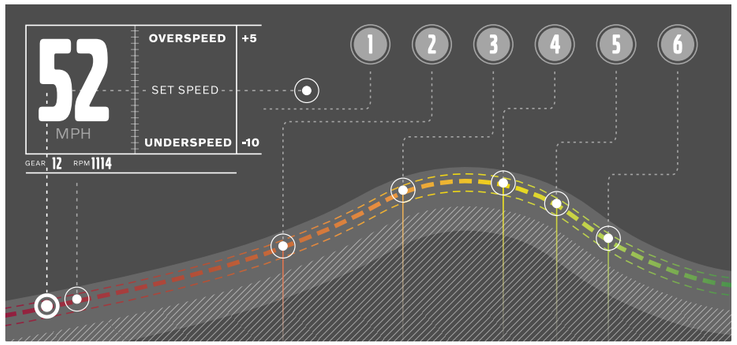
At Volvo, fuel efficiency is a vital part of our commitment to your business and ultimately to the planet we all share. That's why we're constantly challenging ourselves to find new and improved ways to make Volvo trucks the most fuel-efficient trucks on the road. Fuel efficiency is more than a single feature—it's a combination of customized solutions working together in perfect harmony to help you achieve the performance you want with the fuel savings you need. The result is fuel efficiency custom-built to cut your operating costs.

I-See® with mapping puts you miles ahead

Volvo's enhanced I-See® predictive cruise offers more fuel savings than ever, thanks to the addition of on-board mapping technology. The self-learning system conserves fuel by looking at the topography ahead and selecting the optimal gear and speed for the upcoming hills and valleys.

How it works.
When I-See® knows a grade is upcoming, it increases speed in preparation and avoids downshifting as it reaches the top. Before the downhill slope begins, it engages Eco-Roll and lets the truck coast for optimum fuel economy before re-engaging the driveline.

On-board mapping.
The addition of map data allows the system to assist the driver in more locations and situations than ever. I-See® can now help on routes that have not previously been driven by the customer, as well as on smaller roadways. This latest edition of I-See® can save an additional 1% in fuel over the original system.



1. Accelerates to build momentum.
2. Avoids downshifting.
3. Curbs speed on the crest.
4. Coasts before the downhill with Eco-Roll®.
5. Controls downhill braking.
6. Prepares for the next climb.

Adaptive Loading

A lift axle solution for 6x2 tractor configurations, Volvo's Adaptive Loading is designed to help trucks run at peak fuel efficiency and performance every mile of every haul. It senses weight differentiation and automatically lifts the axle to reduce friction and save fuel. Adaptive Loading also improves traction during lighter hauls, by transferring all weight to the rear axle of the vehicle. From a full load down to an empty trailer, this integrated and automated technology makes every driver a more efficient driver.

Common-rail fuel injection.
The unique design of Volvo's common-rail fuel system delivers multiple benefits. Finer control allows quicker, more accurate fuel injection for improved fuel efficiency; while a clean installation improves reliability and dramatically reduces engine noise.

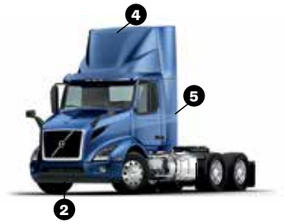
Lower friction, wave piston design.
Improvements in surface finishing of the piston skirt area significantly reduce parasitic losses due to friction between the piston and the cylinder bore, benefitting both power output and fuel efficiency. Our patented wave design on the face of the piston increases cylinder efficiency by optimizing flame propagation toward the center of the cylinder for an ultra-clean burn.

One-box aftertreatment.
Volvo's "one-box" exhaust aftertreatment system offers smaller system packaging and reduces weight by 17 pounds compared to two-piece systems. The one-box configuration saves frame rail space, provides better thermal encasing of exhaust energy, and improves muffler efficiency. The use of catalyst coatings improves both low-temperature NOx conversion and long-term system robustness. Diesel Exhaust Fluid (DEF) allows the engine to use less EGR and maintain higher oxygen levels for better combustion.

Powerful and precise engine braking.
The intelligent Volvo Engine Brake (VEB) is an enhanced engine braking system that gives drivers precise control over engine braking, and saves the truck's brakes for when they're needed most. The D11 and D13 engines use a Variable Geometry Turbocharger (VGT), which "supercharges" the VEB system, thanks to intelligent software. The result is phenomenal retarding horsepower at low RPM, where the engine spends most of its time and where braking is needed most.

Cash in on fuel

With our packages, you can optimize fuel efficiency specifically for your business. These packages focus on aerodynamics and powertrain technologies to drive efficiency and savings to your bottom line. Contact your dealer salesperson today to take advantage of these offerings and customize the best option for you.



Baseline
Most commonly spec'd feature combination:

1. **D13 VGT Eco-Torque engine** - balances fuel efficiency with performance
2. **Aero bumper with air dam and endcaps** - reduces turbulence under the tractor
3. **No chassis fairing***
4. **Roof fairing**** - guides airflow around the trailer
5. **Cab side fairing** - reduces the trailer gap
6. **Low rolling resistance tires** - less energy is needed for the tires to roll

*VNR 640/600 baseline includes chassis fairings.
**VNR 300/400/640 only.

Plus Package
Includes Baseline features and:

1. **D13 VGT Eco-Torque engine with a more efficient rear axle ratio** - uses lower RPMs while maintaining performance
2. **I-See Predictive cruise control** - uses the truck's momentum on rolling hills
3. **Chasis fairing** - improves airflow down side of the tractor
4. **Cab side fairing with extender** - further reduces the trailer gap

*VNR 640/660 has a D13 XE package engine with a high efficiency axle.

Advanced Package
Includes Plus features and:

1. **D13 XE package engine** – downspeeds at lower engine RPMs
2. **Mirror arm wind deflector** - improves airflow around the mirrors
3. **Ground effects** - reduces the gap between the tractor and the ground by 3.5 inches
4. **Trim tab** - improves air transfer from the tractor to trailer

Savings	Plus Package	Advanced Package
Over baseline model*	Up to 4%** Improvement in fuel effeciency	Up to 6%** Improvement in Fuel Efficiency

*Our baseline model is equipped with the most commonly sold specifications and is the reference for our fuel efficiency numbers.
**Fuel efficiency results may vary based on model, options content, and more.

DRIVER PRODUCTIVITY

Designed with the driver in mind

The revolutionary Volvo VNR meets the needs of drivers operating in today's competitive marketplace. Improved seating, instruments, and controls are designed to put the driver comfortably and safely in command.

Because every driver is one of a kind

No two drivers are exactly alike, so we set out to design a steering solution that lets drivers set the ideal height and angle, no matter who's behind the wheel. The result is Volvo's Position Perfect™ steering wheel. With a three-way neck tilt, drivers have an almost endless array of choices for positioning the wheel exactly where they prefer it.

Like riding on air.
Volvo cab air suspensions with outboard mounted air springs, shocks, and stabilizing rod help the VNR series give drivers a smooth ride.

Comfort comes standard.
To meet the comfort, health, and safety needs of today's drivers—and tomorrow's—VNR seating has been refined based on extensive ergonomic research. From smallest to largest, drivers will benefit from optimized seat placement, increased range of adjustment, and more accessible controls. Our optional built-in refrigerator feature under the passenger seat provides cold storage—accessible from driver seat—for snacks and drinks.

Modular rail system.
The modular rail system allows for the addition of up to 4 cup holders or a variety of aftermarket storage options. A storage bin or mounting platform for mobile devices is available within the system. Modular rail accessories can be configured in any combination to suit the driver's requirements.

System control, close at hand.
To keep the driver's hands on the wheel, multiple systems can be controlled through steering wheel-mounted switches. The touch-friendly switch layout enables cruise control, entertainment and other settings to be changed without diverting attention from the road. The steering wheel and controls are always close at hand, thanks to a three-motion tilt/telescope Position Perfect™ wheel.

Easy in and out.
Doors are 3+ feet wide, 4+ feet high, and open a full 70 degrees for ease of access, and ergonomically placed grab handles prove the safest and most secure way in and way out of the cab.

Choose your style

The VNR's thoughtfully configured interior lets you choose from three different trim levels, all developed to stand up to the rigors of regional transport operations, while bringing premium automotive-style colors and design into the driver's working and living environment. And each of these trim levels is available with a selection of seven complementary seat options.

Learn more: USA: **VNR.volvotrucks.us** | CAN: **VNR.volvotrucks.ca**

Fleet
The Fleet level trim package features a Heron vinyl headliner with a dot matrix pattern and complementary vinyl walls. The door panels are accented with durable Wren plastic inserts.

Express
The Express level package upgrades the headliner and walls with a Heron cloth finish. Door panels are accented with Wren vinyl inserts.

Premier
The Premier level trim upgrades the walls to a Longspur cloth with metallic accent. The door panels are completed with our finest Longspur vinyl insert and wood grain trim.

To improve your sleep, we improved our sleeper

Volvo VNR sleepers offer premium interiors creating a comfortable place to relax and recharge. Every model offers plenty of room, whether it's the 42-inch flat-roof VNR 400, the 61-inch mid-roof VNR 640, or the 61-inch high-roof VNR 660. Each sleeper features a 36-inch wide lower bunk with ample room to rest.

A thick layer of insulation combined with some of the quietest running engines in the industry keep the cab comfortable and quiet whether you're down for an hour or for the night.

Don't get up.
The sleeper control panel can be used to lock the doors, adjust bunk heating and cooling, or set audio levels. Need assistance? Just press the "panic" button to call attention to your vehicle.

Snacks and refreshments.
The VNR 640's and 660's cabinets can be configured to include a refrigerator or a microwave, so a hot meal or a cold drink can be available any time.

Volvo is safety

Since 1927, safety has been the guiding principle for everything we build. We invented the three-point safety belt and were the first to introduce it as a standard feature. We also introduced the driver-side airbag and are still the only truck manufacturer to include it standard in every vehicle we make. Building on this legacy, Volvo has upgraded to standard LED lighting, and offers an optional integrated side-impact airbag for rollover protection, as well as a forward collision warning for emergency braking situations.

Volvo's commitment to safety protects your business by putting the well-being of drivers—your most valuable asset—first. Intelligent design that maximizes comfort and visibility combined with advanced safety technology helps drivers avoid or minimize accidents, keeping them safe while reducing cargo loss, downtime, and accident-related insurance costs.

Highlighting safety

To improve visibility and reduce maintenance, Volvo employs LED bulbs for all exterior lighting. All models feature LED high/low beam headlights, as well as LED turn, marker, and parking lamps. The premium headlamp also features a “signature” LED daytime running light.

Volvo Enhanced Stability Technology (VEST).
By continually monitoring operating parameters, VEST detects imminent loss of control, jackknife, or rollover events. The system automatically reduces engine torque and selectively applies braking to help keep the truck on course.

Volvo I-Shift transmission.
I-Shift takes away the physical and mental demands of changing gears, which reduces driver fatigue and provides more time for the driver to give full attention to surrounding traffic.

Adaptive Loading.
Adaptive Loading features a basic traction mode that stabilizes your trailer during loading and unloading, and an enhanced traction mode that automatically provides unmatched traction on steep grades or in hazardous conditions.

Volvo Active Driver Assist

Our industry-leading collision avoidance system makes another leap forward. The next generation Volvo Active Driver Assist (VADA) system integrates radar and camera capabilities with a variety of on-board safety features. Now standard in all VNR models, VADA has the potential to decrease the risk of front-end and rear-end collisions by 82%. This potentially life-saving system helps drivers maintain a safe following distance and can even bring the vehicle to a complete stop in emergency braking situations.

Integrated Camera and Radar.
VADA brings together two important views of the road for improved safety. The system's radar monitors up to 500 feet ahead of the driver. That data is enhanced with an onboard camera that is constantly observing the road whenever the vehicle is above 5 miles per hour.

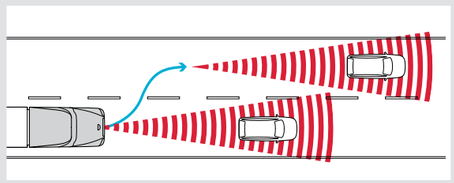
Cruise auto resume.
Should the system apply service brakes while Adaptive Cruise Control is on, the vehicle can accelerate back to the set cruising speed automatically if a safe following distance is re-established.

Blind spot radar.
A radar, mounted on the passenger side of the tractor,monitors a 150-degree field of view for traffic in the adjoining lane. An audible alert and a warning light on the passenger side A-pillar indicate when a vehicle is present.

Heads up display.
A collision warning light is projected as a red bar in the windshield when a vehicle or other object is too close. The driver is alerted up to 3 seconds before an impending event.

Lane and highway departure warning.
Drifting off lane can cause serious accidents. The lane departure warning tracks the road markings and provides an audible alert to the driver when they are drifting into another lane of traffic or completely off the highway.

Automatic emergency braking.
New to VADA is the ability to continue emergency braking as needed if the driver changes lanes to avoid initial danger.



VADA senses if there is no response after a driver is alerted of a potential impact. The system can react to reduce the throttle and disengage cruise if necessary. It may also downshift and apply both the engine brake and partial foundation brakes.

Leading-edge safety, protecting your most important asset

Volvo stays on the cutting edge of safety technology, ensuring that our trucks are the safest on the road. Built to exceed the demanding Swedish Cab Safety Test, our High-Strength Steel (HSS) cabs have the industry's highest strength-to-weight ratio, protecting the driver by absorbing as much crash energy as possible.

Volvo is the only Class 8 manufacturer to make a driver's side airbag standard equipment in every truck. For added rollover protection, Volvo offers the Rolltek® seat, combining seat belt pre-tensioners, automatic seat lowering to increase survival space, and an integral side airbag that deploys for head and neck protection.

Volvo combines advanced engineering with active and passive safety systems, exactly what you'd expect from the inventors of the three-point safety belt.

Ready for whatever lies ahead

You know better than anyone that every second of uptime equates to increased revenue, productivity, and opportunities. That's why you need a transport solutions partner that offers innovative ideas to keep trucks on the road and money in your pocket.

Volvo Trucks Uptime Services is a unique suite of products and services designed to give you unprecedented control over fleet operations. Maximize uptime, increase maintenance efficiency, and protect your trucks with protection plans customized to your needs. Nothing can slow your business down when you know the road ahead.

Remote Diagnostics

Remote Diagnostics can help avoid unexpected downtime by monitoring your Volvo engine, I-Shift, and aftertreatment 24/7. Standard in every Volvo-powered truck, Remote Diagnostics offers a range of unique benefits, including enhanced proactive diagnostics, detailed analysis of critical fault codes for repair planning, immediate communication if actions are required, and streamlined service procedures. It's a powerful service that reduces average diagnostic times by 70% and average repair times by 22%.

With a dedicated team of professionals available around the clock at Volvo's world-class Uptime Center in Greensboro, NC, Volvo goes beyond diagnostic technology to deliver actionable solutions.

Connected vehicle services.
Volvo Trucks is proud to offer ELD and fleet management services with partners like Geotab, Omnitracs, and Verizon Connect. As the industry leader in telematics, our tractors are the most connected Class 8 vehicles in the industry. No other OEM can match Volvo Trucks for data and analytics.

Updates on the fly.
Remote programming allows drivers to update parameters and software to enhance truck performance. With the driver display activation, when updates are available, an icon will flash on the instrument cluster screen. The driver can activate the update at the next regular stop via the truck's instrument cluster. Updates are usually just minutes and can be done with no downtime.

The Volvo Uptime Center.
Real people. Real solutions. Real fast. The Volvo Uptime Center offers around-the-clock assistance anywhere in the United States and Canada. Within minutes, your driver is connected to a member of Volvo Action Service, a team of highly trained uptime experts who can quickly manage service, schedule repairs, and tackle any other issue that happens on the road.

ASIST service management platform.
Everything you need, all in one place. ASIST is a simple web-based tool that lets you monitor vehicle status, receive electronic estimates, approve repairs, issue purchase orders, and communicate directly with your dealer—regardless of your truck's location.

Premium Maintenance Plan.
For best results, plan ahead. Preventative maintenance plans improve vehicle uptime, increase productivity, and provide peace of mind by making sure all required maintenance is done efficiently and done right. Choose from a full menu of services and get access to Genuine Volvo Parts, warranty adjustments, service programs, and performance updates at pre-planned maintenance intervals.

Volvo Protection Plans.
The road can be unpredictable. Always know you're covered. Take the worry and stress out of unforeseen repairs and effectively manage costs over the life of your truck with an extended warranty through a Volvo Protection Plan. We offer a variety of plans covering the engine or chassis that can be customized to your needs—you choose the length and extent of coverage that best suits your specific application.

No matter where, we're there to support your business

Our world-class dealer network means your trucks are never far from the quality care and maintenance you expect when you buy a Volvo truck. With more than 430 dealer locations across North America, Volvo Trucks Uptime Services help you through every step of a service event and make sure your trucks stay where they belong—on the road.

Repairs are done fast and accurately by highly trained Volvo specialists. Our parts-expediting team locates the parts you need quickly—making sure they are there when you need them.

Your time means money, that's why Volvo Trucks Uptime Services saves you both.

Certified Uptime Dealers.
Certified Uptime Dealers expedite critical repairs. With the truck's remote diagnostic data already in hand, a technician can immediately diagnose the truck. If the repairs require less than four hours of service time, the truck is fast-tracked, with the goal of having it back on the road in 24 hours.

Choose your Volvo VNR

Every business needs a truck tailored to its specific needs. That's why the Volvo VNR provides endless possibilities. With a wide range of cab sizes, powertrain choices, and interior trim levels, you'll find all the options you need. Your dealer will happily guide you in finding the perfect truck for your operation.

STEP 1:

Choose your cab

Specifications and measurements for the daycab, flat-roof, and mid-roof sleepers.

STEP 2:

Choose your powertrain

Two different engine and transmission choices with a wide variety of power ratings and gear ratios.

STEP 3:

Choose your interior

A trio of trim-level options that make sure drivers are at home in the cab.

STEP 1:	☐ VNR 300	☐ VNR 400	☐ VNR 640	☐ VNR 660
Description	Daycab designed to provide outstanding performance for urban deliveries.	Flat-roof sleeper designed for regional hauls requiring overnight rest to maintain hours of service compliance.	Spacious midroof sleeper designed for regional hauls requiring multiple overnight stays.	Roomy high-rise sleeper designed for multi-day regional hauls.
Applications	Short Haul/ Regional Haul	Short Haul/ Regional Haul	Short Haul/ Regional Haul	Short Haul/ Regional Haul
Cab Type	Daycab	42" Sleeper	61" Sleeper	61" Sleeper
Interior Height	61"	61.5"	76.5"	81.5" between seats 100.2" rear of sleeper
Interior Width	83.5" door to door	83.5" door to door with 75"x36" mattress	83.5" door to door with 75"x36" mattress	83.5" door to door with 75" x 36" mattress
Minimum Wheelbase per axle configuration	138" 4x2 150" 6x4	173" 4x2 174" 6x4	193" 4x2 191" 6x4	193" 4x2 191" 6x4
Wheelbase: Alternate Configurations	146"-217" 6x2 Tag 195"-217" 6x2 Adaptive Loading	165"-217" 6x2 Tag 217"-232" 6x2 Adaptive Loading	179"-215" 6x2 Tag 209"-230" 6x2 Adaptive Loading	179"-215" 6x2 Tag 224"-236" 6x2 Adaptive Loading

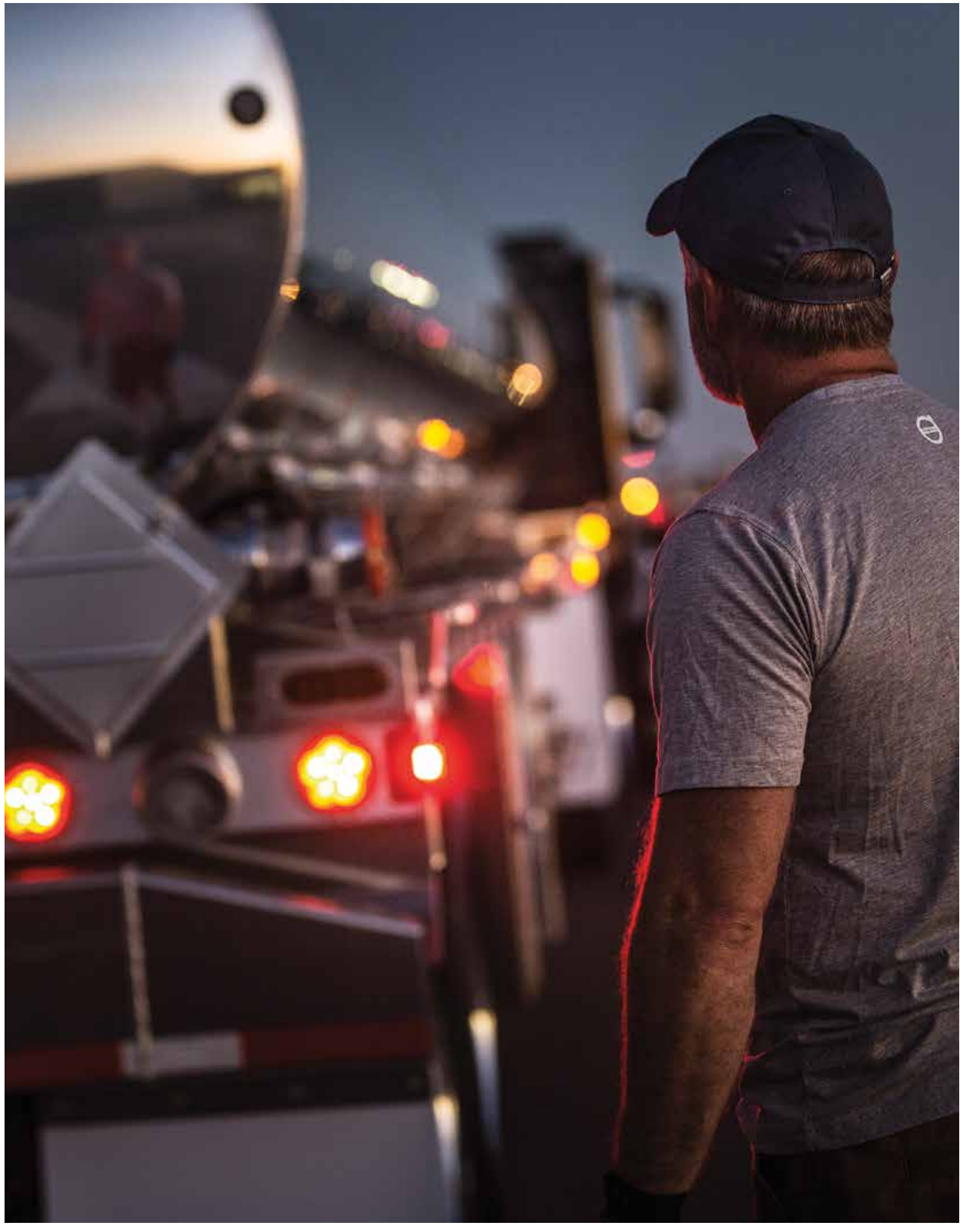
STEP 2:	☐ VOLVO D11	☐ VOLVO D13
Ratings:	325-425 hp / 1250-1550 lb-ft.	405-500 hp / 1450-1850 lb-ft.
Base Engine Configuration	4 cycle / Inline Six	4 cycle / Inline Six
Emissions	Selective Catalytic Reduction (SCR)	Selective Catalytic Reduction (SCR)
Aspiration	Sliding Nozzle Variable Geometry Turbocharger	Sliding Nozzle Variable Geometry Turbocharger
Cam / Valve Configuration	SOHC / 4 Valves per Cylinder	SOHC / 4 Valves per Cylinder
Cylinder Head	One-Piece Rigid Deck Cylinder	One-Piece Rigid Deck Cylinder
Injection System	Common-Rail	Common-Rail
Maximum Fuel Injection Pressure, psi (bar)	35,000 (2,400)	35,000 (2,400)
Rating Uprateability	Software Only, Throughout Range	Software Only, Throughout Range
Displacement, cu. in. (L)	661 (10.8)	780 (12.8)
Compression Ratio	17:1	17:1
Bore & Stroke, in. (mm)	4.84 x 5.98 (123 x 152)	5.16 x 6.22 (131 x 158)
Cylinder Spacing, in. (mm)	6.06 (154)	6.61 (168)
Full Dress Dry Weight, lb. (kg)	2259 (1025)	2605 (1182)
Fuel and Lubrication:		
Fuel Specification	Ultra Low Sulfur Diesel, 15 ppm	Ultra Low Sulfur Diesel, 15 ppm
Fuel Filters	Primary plus Secondary	Primary plus Secondary
Total Lube Oil Capacity, qts. (L)	38 (36)	42 (40)
Oil Filtration	Two Full Flow, One Bypass	Two Full Flow
Oil Drain Interval, Normal Service, miles (km)	60,000 (96,561)*	60,000 (96,561)*
Oil Specification	Volvo VDS-5.0, SAE 10W-30	Volvo VDS-5.0, SAE 10W-30
FLOCS Oil Drain Kit	Optional	Optional
Engine Equipment:		
Air Compressor, CFM	Two Cylinder, 31.8	Two Cylinder, 31.8
Retarder	Volvo Engine Brake (VEB)	Volvo Engine Brake (VEB)
Engine Brake Rating at 2200 rpm	420 hp @ 2200 rpm	500 hp @ 2200 rpm
Engine Brake Rating at 1500 rpm	266 hp @ 1500 rpm	350 hp @ 1500 rpm
Engine Brake Weight, lbs. (kg)	25 (12)	25 (12)
PTO Port for Live Rear PTO Pump or Shaft	Optional	Optional
Preheater, Electrical	Optional	Optional

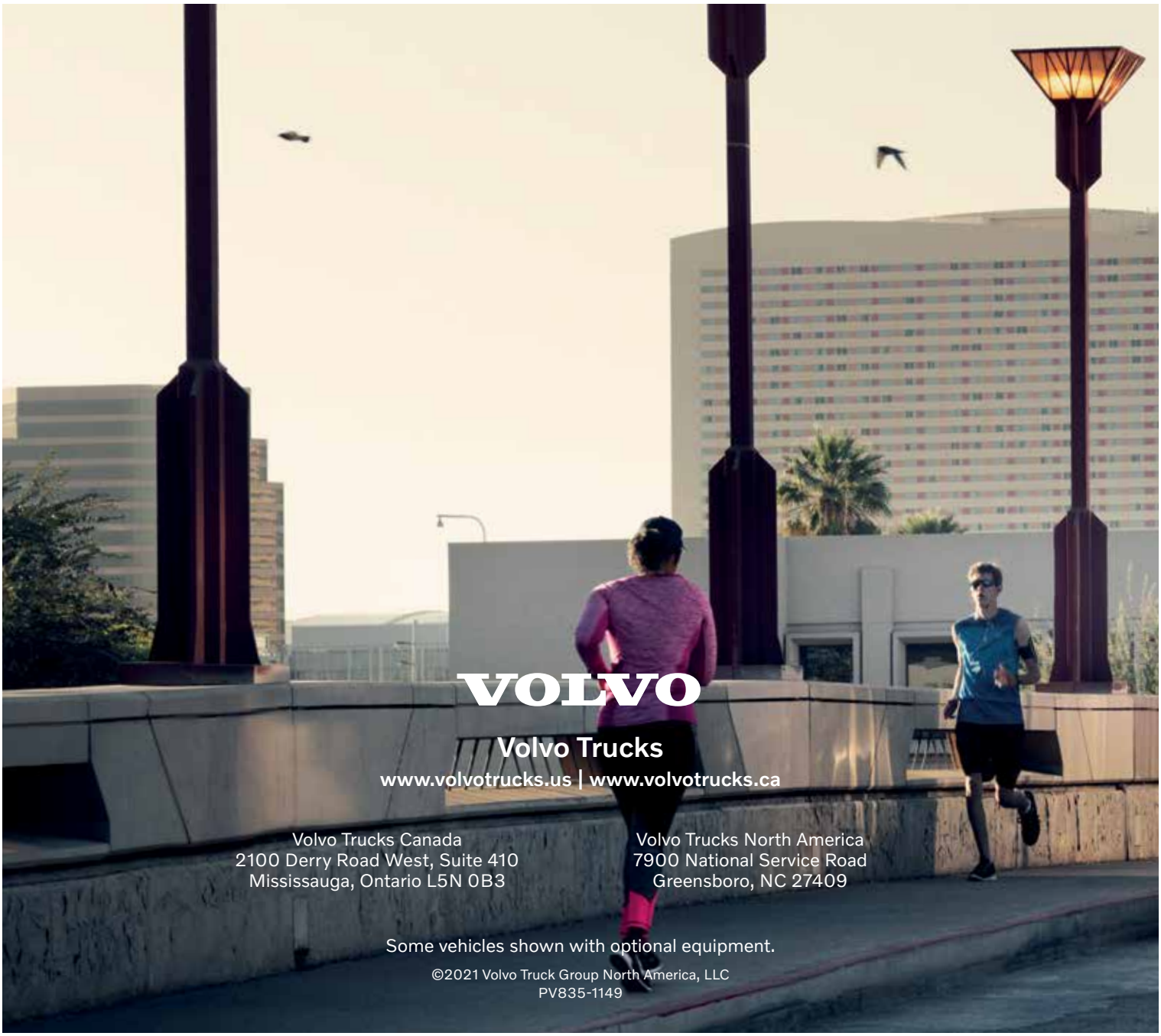
* Volvo branded VDS-5.0 oil and > 6 mpg.

	☐ VOLVO I-SHIFT I-SHIFT FOR SEVERE DUTY I-SHIFT WITH CRAWLER GEARS	☐ EATON FULLER 13, 18-SPEED	☐ ALLISON 6 SPEED AUTOMATIC
Description	Automated Manual Transmission	Automatic / Manual	Automatic
Dry Weight w/ clutch and oil cooler (lbs.)	720 or 805	541 to 716*	535 to 831
Max Torque Capacity (ft-lb) / NM()	1900 (2600)	1850 (2508)	1650 (2237)
Transmission Housing Body	Aluminum	Aluminum or Steel	Aluminum
Max Highway Weight (lbs)	160,000**	140,000**	Manufacturer approval required
Downhill economy mode	I-See	N/A	No
Software based upgrades available	Yes	No	Yes
Gear Ratios	14.94 to 41.08	14.80 to 19.72	N/A***
Forward Gears	12, 13 or 14	13 or 18	6
Reverse Gears	2 to 6	2 to 4	1

* Without clutch housing and end yoke.
** Application approval required for higher GCW.
*** Torque converter.

STEP 3:	☐ FLEET TRIM LEVEL	☐ EXPRESS TRIM LEVEL	☐ PREMIER TRIM LEVEL
Description	Our Fleet Trim Level is designed for maximum durability to withstand the wear associated with high-use applications. The Fleet Trim level is available in all VNR models.	Express Trim Level features a Heron cloth finish throughout the cab, with touches of Wren vinyl for a more refined interior. The Express Trim Level is available exclusively in VNR 300 and 400 models.	The Premier Trim Level offers luxurious options in every corner, including Wood Grain trim for the dash and cabinetry. The Premier Trim Level is available exclusively in VNR 300 and 640 models.
Headliner	Heron Vinyl with Dot Matrix	Heron Cloth	Heron Cloth
Back Wall	Heron Vinyl	Heron Cloth	Longspur Cloth with Metallic Accent
Door Insert	Wren Molded Plastic	Wren Vinyl	Longspur Vinyl
Instrument Panel Decorative Trim	Metal Hex	Metal Hex	Wood Grain
Cabinet Trim	Metal Hex	Metal Hex	Wood Grain
Seat Options	Seven	Seven	Seven
Floor Insert Options	Two	Two	Two





VOLVO

Volvo Trucks

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Some vehicles shown with optional equipment.

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