



Volvo Trucks. Driving Progress

# VOLVO VNL SERIES

LONG-HAUL EFFICIENCY—PREMIUM COMFORT







# SEE THE DIFFERENCE EVERY DIFFERENCE MAKES.



**Fuel Efficiency:**  
Innovative technology.  
Optimized power.  
Improved aerodynamics.

Learn how the VNL helps you squeeze the most profit out of every drop of fuel.

pg. **30**



**Driver Productivity:**  
Workspace. Living space.  
Productive space.

The VNL offers redesigned working and living spaces, optimized to put the driver comfortably in command, maximizing productivity.

pg. **40**



**Safety:**  
The guiding principle for everything we do.

Volvo's commitment to safety protects your business by helping drivers avoid or minimize accidents, reducing cargo loss, downtime, and accident-related insurance costs.

pg. **48**



**Uptime:**  
Real people. Real solutions. Real fast.

Our highly-trained uptime team manages service and schedules repairs 24/7, while our fleet management solutions provide unprecedented control over your operations.

pg. **56**



# The shape of trucks to come.

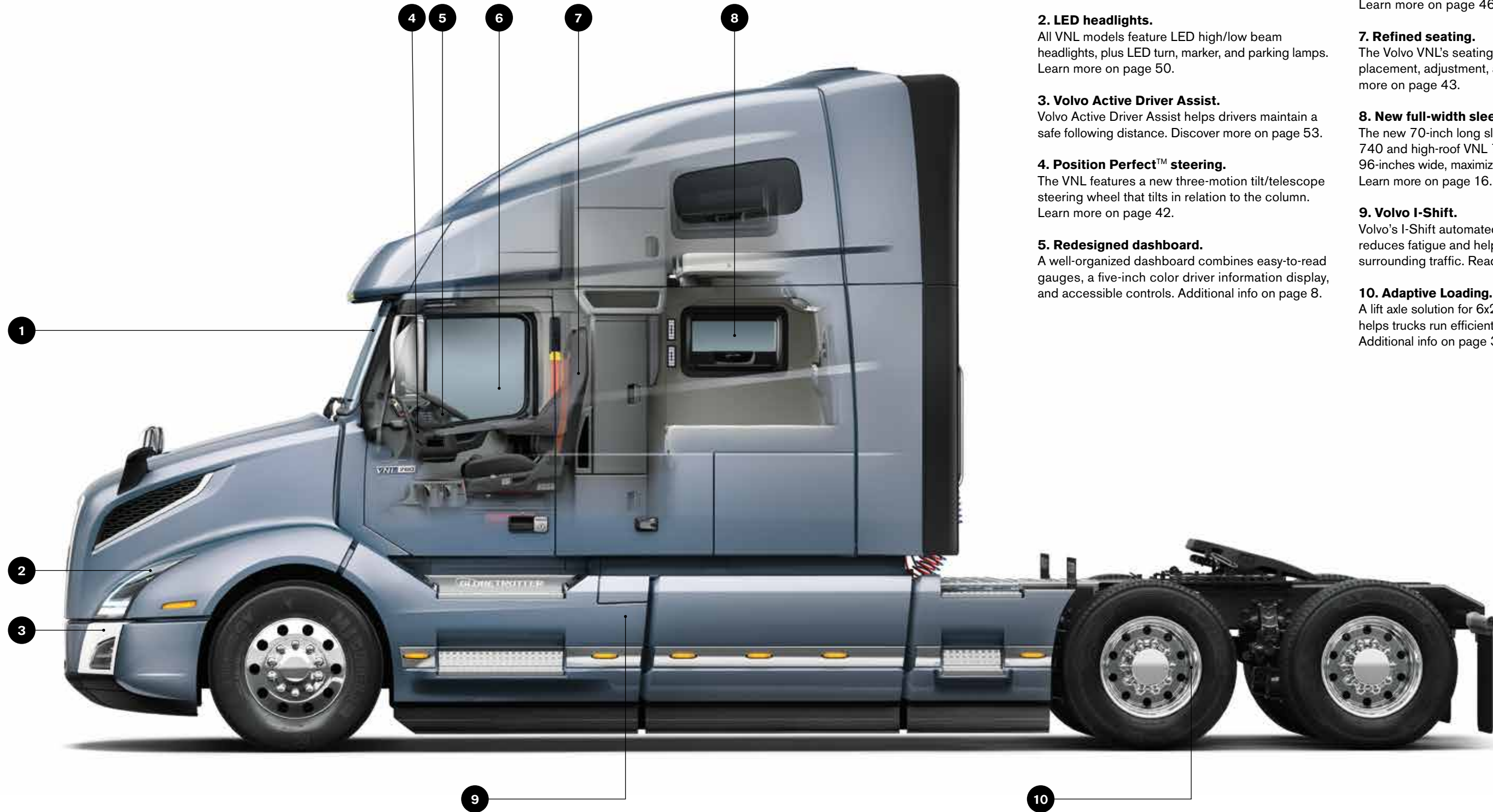
The Volvo VNL is built for the needs of today's—and tomorrow's—long-haul trucking operations. The VNL delivers a new level of efficiency, along with premium comfort and amenities.

The latest VNL builds on Volvo's foundation—fuel efficiency, driver productivity, safety, and uptime—with precise refinements based on drivers' needs, optimized to keep your business competitive in today's marketplace, and ready to meet tomorrow's demands.

A completely reshaped front end features improved airflow, along with state-of-the-art LED lighting for improved visibility and reduced maintenance. Inside, seating has been ergonomically optimized, while the dashboard and steering wheel bring controls and information efficiently to the driver. Our latest VNL sleepers make your drivers feel at home on the road.



# Ten reasons to love the Volvo VNL.



**1. Forward collision warning.**

An audible alert and heads-up warning display notifies drivers of danger before automatic braking is activated. Additional info on page 53.

**2. LED headlights.**

All VNL models feature LED high/low beam headlights, plus LED turn, marker, and parking lamps. Learn more on page 50.

**3. Volvo Active Driver Assist.**

Volvo Active Driver Assist helps drivers maintain a safe following distance. Discover more on page 53.

**4. Position Perfect™ steering.**

The VNL features a new three-motion tilt/telescope steering wheel that tilts in relation to the column. Learn more on page 42.

**5. Redesigned dashboard.**

A well-organized dashboard combines easy-to-read gauges, a five-inch color driver information display, and accessible controls. Additional info on page 8.

**6. Upgraded interior.**

The VNL driving environment has been refined to meet the needs of today's drivers with various trim levels to provide style, comfort, and function. Learn more on page 46.

**7. Refined seating.**

The Volvo VNL's seating benefits from refined design, placement, adjustment, and control access. Discover more on page 43.

**8. New full-width sleeper.**

The new 70-inch long sleepers on the mid-roof VNL 740 and high-roof VNL 760 have been expanded to 96-inches wide, maximizing living space and comfort. Learn more on page 16.

**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 26.

**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 page 35.



# Not just a workspace, a space that works.

The dashboard on the VNL 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, five-inch color driver information display with improved graphics 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 USB and 12V connections provides a safe, convenient home for a driver's many gadgets, which can also be linked to the 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: [VNL.volvotrucks.us](http://VNL.volvotrucks.us) | CAN: [VNL.volvotrucks.ca](http://VNL.volvotrucks.ca)



### Configurable LCD screen.

At the heart of the new and improved instrument cluster is a color LCD display. A full five inches wide, it can be configured to provide trip information, performance data, and a wide range of vehicle diagnostics.



### Optional infotainment system.

The new infotainment system is available in every VNL. 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.



# To improve your sleep, we improved our sleeper.

The VNL sleeper area was designed to offer the driver a calm, restful space for their hours off the road. The VNL lineup now includes a full 70" sleeper option, providing an efficient yet spacious living area.

The bunks are broader and more stable, featuring embedded spring mattresses surrounded by an extra layer of foam. Cabinet doors now open toward the back to create more space. Even the cupholders were upgraded by making them modular so they can be adjusted to the most convenient position.

Softer, more consistent LED lighting creates a more peaceful environment and keeps power consumption low. When it's time to rest, airline-style window shades block light with one simple motion. The new double-sided 100% blackout curtain slides easily into place, while ambient lighting for the footwell allows night movement without an overhead light.

Volvo has long been known for comfort, but one step inside this sleeper and you'll see that it's the finest living environment we've ever produced.



#### **An industry first.**

Volvo is proud to offer the first integrated, reclining bunk in a sleeper. Fully adjustable, it's like putting your favorite easy chair in the cab. A pillowtop, innerspring mattress can be added for even greater comfort.



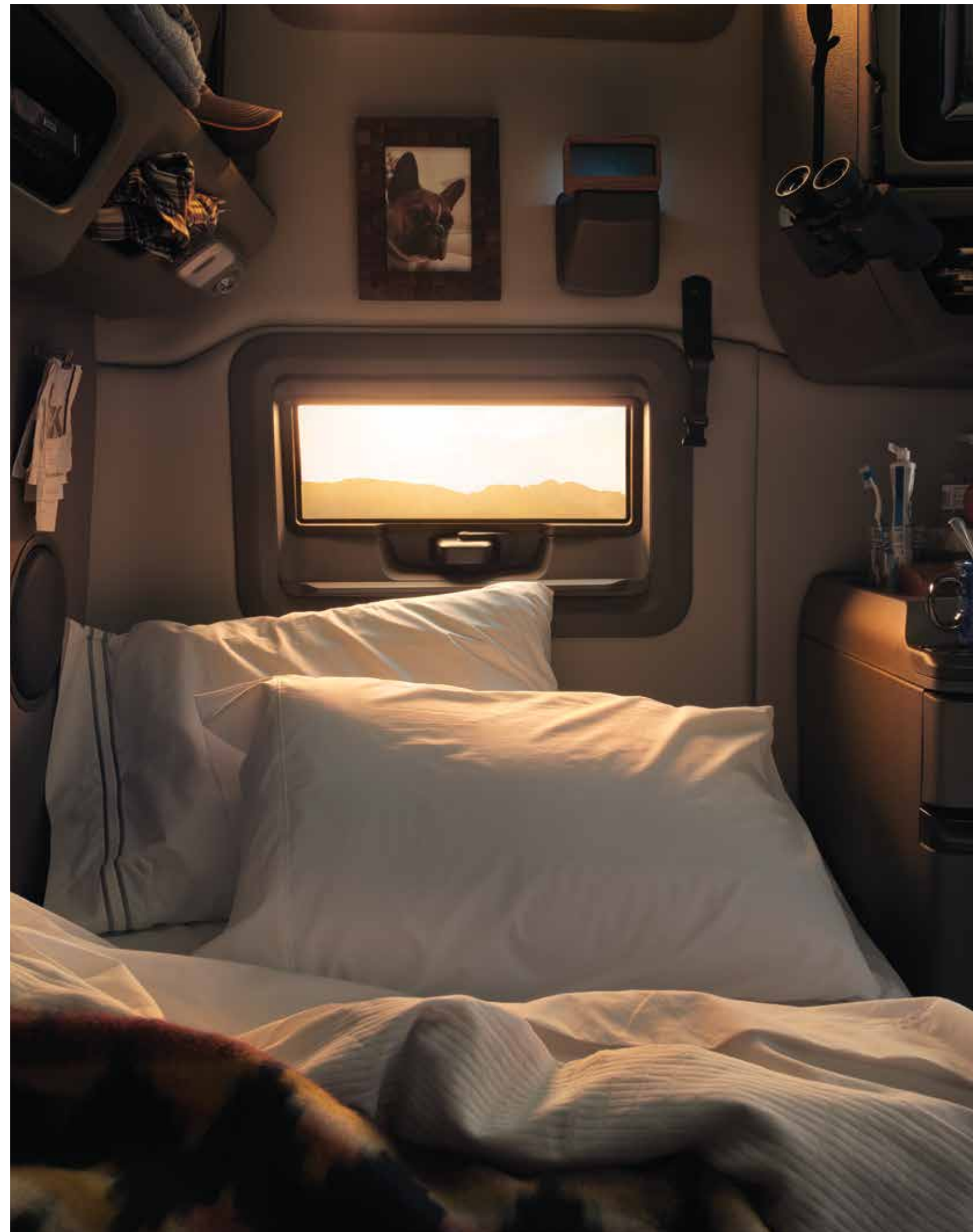
#### **At your fingertips.**

The sleeper control panel can be used to lock the doors, adjust bunk heating and cooling, and set audio levels. An adjacent desk top swivels off the back wall for meals or to watch movies on your tablet. Need assistance? Just press the "panic" button to call attention to your vehicle.

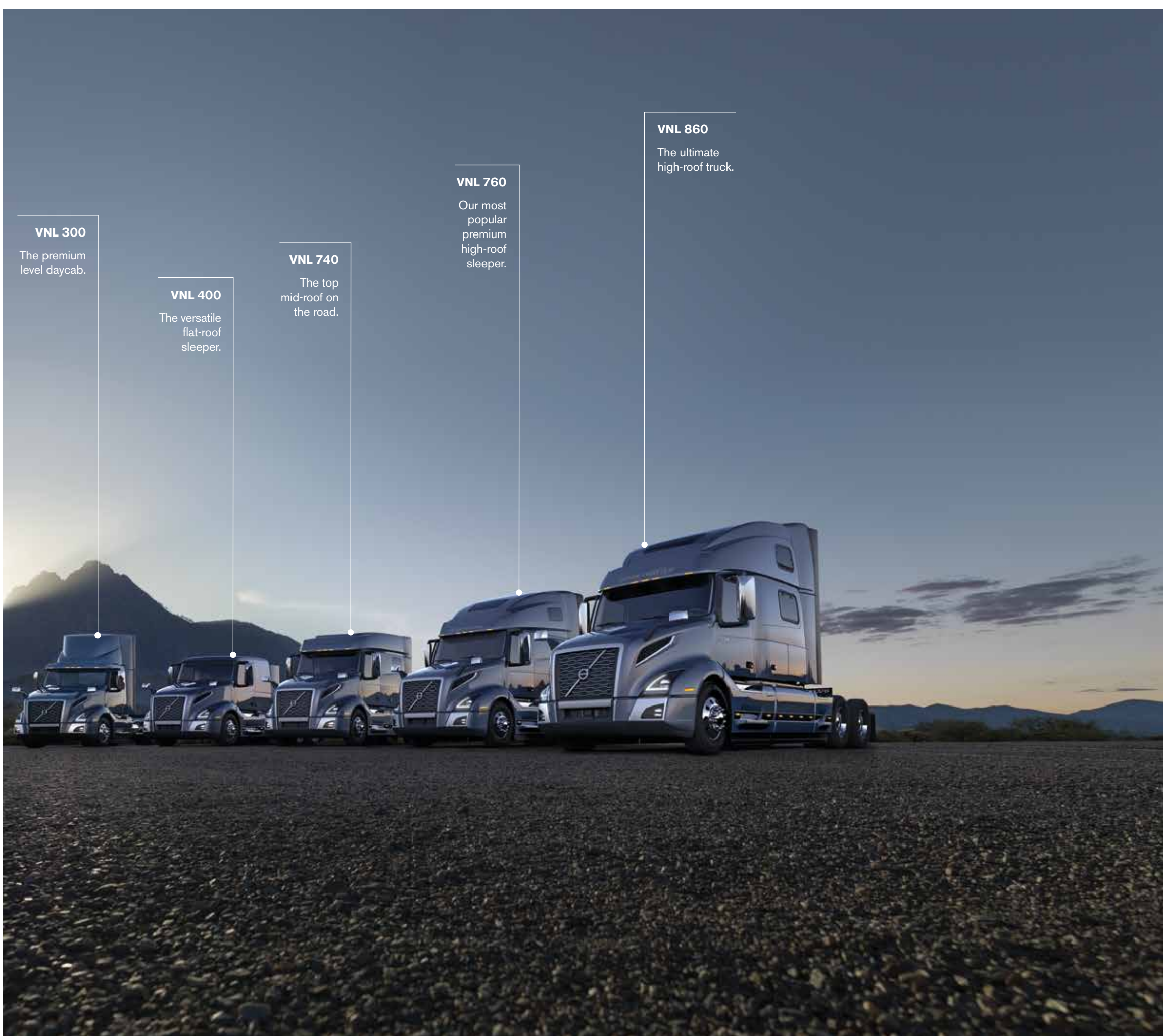


#### **Moving on up.**

An integrated telescopic step ladder is now standard with the VNL 760 and 860. The ladder deploys easily when needed, while rugged retention latches keep the ladder securely in place when stowed.







**VNL 300**

The premium level daycab.

**VNL 400**

The versatile flat-roof sleeper.

**VNL 740**

The top mid-roof on the road.

**VNL 760**

Our most popular premium high-roof sleeper.

**VNL 860**

The ultimate high-roof truck.

## WHY VNL?

The VNL has been redesigned with significant improvements to ergonomics, aerodynamics, fuel efficiency, and performance. The selection of VNL sleeper and day cab models covers a wide range of highway applications, all offering unsurpassed driveability, safety, and comfort, while helping you deliver big savings to your bottom line. So if you're looking for a premium truck that puts a premium on profitability, look no further than Volvo.

# Ultimate comfort, optimized for productivity.

You know you've arrived at the top when you can choose comfort and safety without compromising on productivity and efficiency. Our flagship model, the high-roof VNL 860, builds on Volvo's foundation of fuel efficiency, driver productivity, safety, and uptime. When it's time for work, the latest innovative features help you deliver on your commitments.

Beginning with a redesigned, more aerodynamic front end, the VNL 860 follows up with a panoramic windshield, a new dashboard, and optimized seating to put the driver comfortably in command. When the day is done, the upgraded high-roof 77-inch sleeper has plenty of space, storage, and amenities to let team drivers feel at home, away from home.

The VNL 860 represents the ultimate investment for your bottom line and for your most important asset—your drivers.



VNL 860





# The new standard for long-haul.



VNL 740

### VNL 740 mid-roof.

The spacious mid-roof VNL 740 is all about efficiency—designed to make the most out of every drop of fuel. Long hauls are no problem and it's particularly well suited for weight-conscious specialty applications.

Offering improved aerodynamics and fuel-efficient powertrains, combined with Volvo's industry-leading safety and dependability, the new VNL 740 and VNL 760 models are ideal for reliable performance on the open road.

Inside the new 70" long, 96" wide sleepers, drivers will find plenty of space to handle day-to-day demands, whether it's catching up on paperwork, taking a meal break, or getting the rest they need for extended days on the road. Happy, comfortable drivers lead directly to increased productivity for the long haul.

The new high-roof VNL 760 is destined to become our best-selling truck. See why a growing number of our customers are already trusting their business to this premium profitability player.





## Versatility with long-haul comfort.

When unique long-haul applications require maximum payload and minimum dimensions, look no further than Volvo's daycab VNL 300 and flat-roof VNL 400. These nimble players provide all the comfort, productivity, and reliability of Volvo's legendary VNL family of premium tractors in an efficient, highly-maneuverable package.

Designed to work with the driver, delivering outstanding performance and visibility, the VNL 300 is the perfect solution when your route takes you out and back the same day. Even with its compact configuration, you'll still find a surprising collection of standard features unique to Volvo that make for profitable, safe, and reliable operations. Day after day. Year after year.

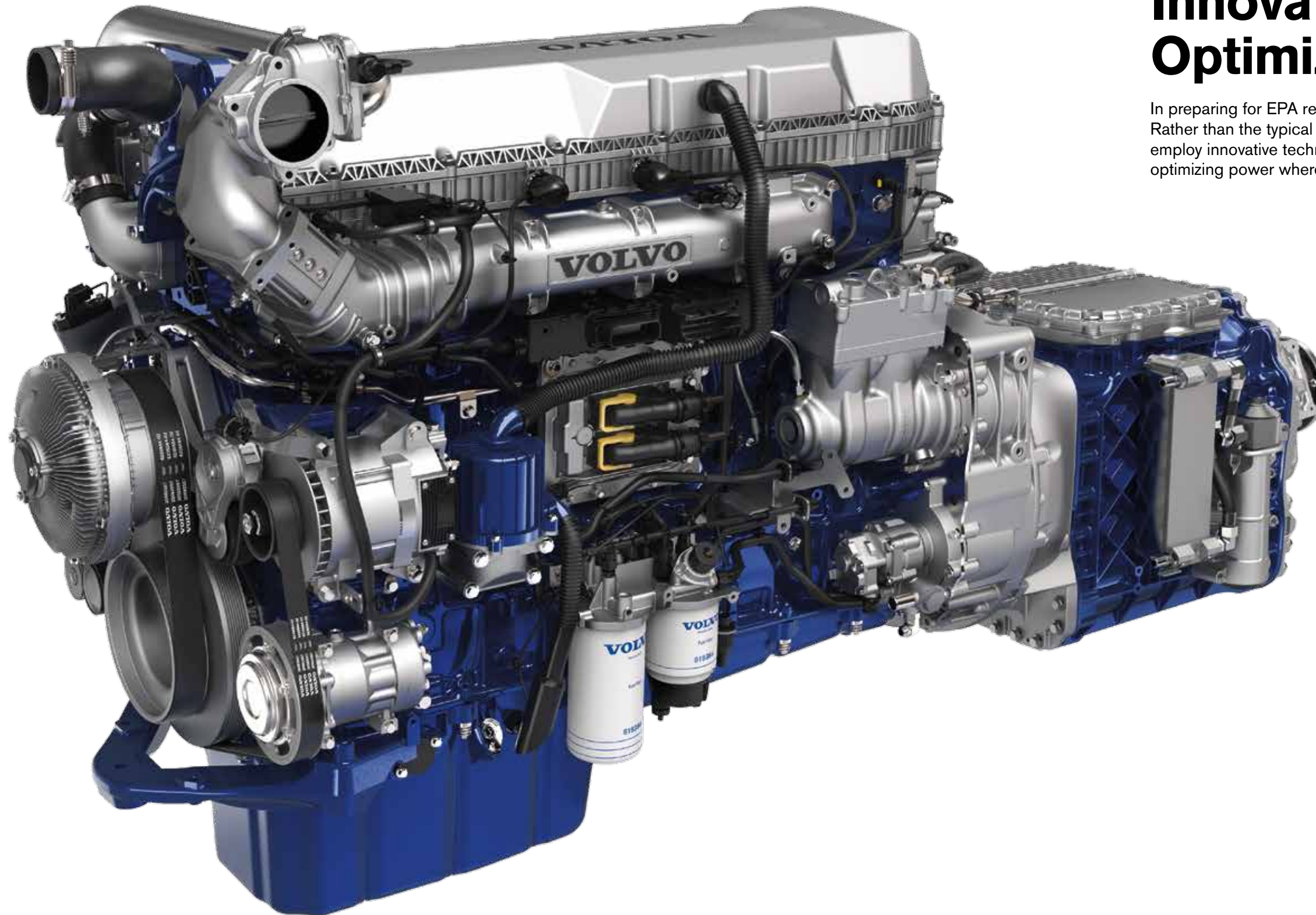
### **VNL 400 flat roof.**

A versatile and affordable flat-roof sleeper tractor, the VNL 400 is especially well-suited for the unique demands of specialty applications. It's a pleasure to drive, whether you're navigating a crowded delivery site or chasing the horizon. With a well-appointed 42" sleeper, the VNL 400 offers a 36-inch wide bed that provides a comfortable rest on overnight runs when delivery routes stretch far from home.



VNL 400





## Innovative technology. Optimized power.

In preparing for EPA regulations, Volvo saw not an obstacle, but an opportunity. Rather than the typical responses that impede performance, Volvo chose instead to employ innovative technologies that reduce power losses and improve efficiency, optimizing power wherever possible.

### **Fuel-efficient solutions throughout.**

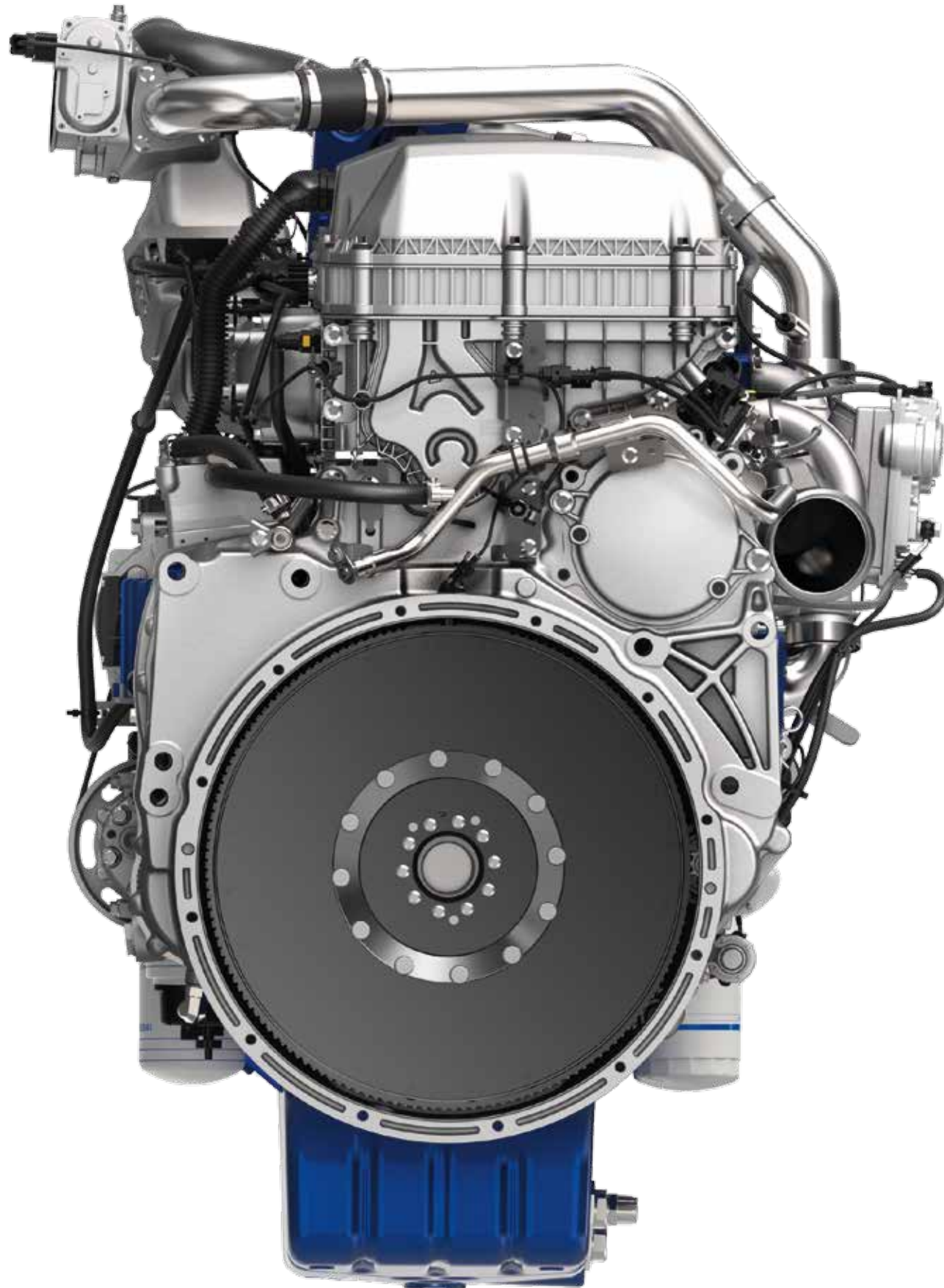
From minimizing the friction or load of engine components, to capturing and using normally lost horsepower. From hardware refinements, to innovative productivity-enhancing software solutions on I-Shift transmissions. Volvo has leveraged every opportunity to improve customer value while meeting regulatory challenges.

Inside the engine, a common-rail fuel injection system gets the most power out of every drop of fuel, and a variable geometry turbocharger optimally compresses intake air while providing the correct back-pressure to efficiently drive the EGR process.

Volvo's I-Shift transmission enhancements share the spotlight with engine innovations. Internal hardware upgrades improve performance and increase longevity.

I-Shift with Crawler Gears is available for maximum GCW loads that require slower starts. This rugged transmission option features an improved countershaft brake for faster shifting and hardened gears for extended durability.





## 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. 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, from 325 hp 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** **375-500 hp, 1450-1850 lb-ft.**

The Volvo D13's efficiency, power, and light weight improve operating costs while meeting GHG emissions standards. Twelve power ratings are available, from 375 to 500 hp.

XE, Eco-Torque, and Dual-Torque ratings also provide "dual-personality" torque output for customers who desire the fuel economy of lower torque with the strong performance of higher torque.



### **Volvo D13TC** **425-455 hp, 1450-1850 lb-ft.**

Ideal for applications operating primarily at cruise speed, the D13TC uses turbo compounding to capture and harness energy typically lost through the exhaust to recover lost horsepower and improve fuel economy. Our turbo compounding solution can provide up to 50 additional horsepower to the engine.



## Power options for special applications.

Because certain specialized applications require unique powertrains, Volvo works closely with Cummins to provide a full range of power options.

As the fueling infrastructure for natural gas becomes increasingly plentiful, more and more delivery, distribution, and regional fleets are seeking to leverage the benefits of this clean, inexpensive fuel. The Cummins X12 G is a proven alternative-fuel solution, well matched to these shorter-haul applications.

For fleets that prefer big-block architecture, but need the fuel efficiency of lower power ratings, availability of the Cummins X15 provides an option for open-road applications.

### **Cummins X12 G** **320-400 hp, 1150-1450 lb-ft.**

The X12 G is a dedicated, factory-built natural gas engine based on the Cummins X12 diesel platform. Featuring the same proven EGR, spark ignition, and simple aftertreatment as the Cummins ISL G engine, the X12 G delivers strong pulling power with heavy-duty durability. With five available power ratings from 320 to 400 hp, the X12 G is ideal for regional-haul and LTL distribution applications with GCW ratings up to 80,000 pounds.

### **Cummins X15** **400-550 hp, 1650-1850 lb-ft.**

The X15 at the 400–550 hp rating is well suited for fleets in freight applications that require fuel economy and the benefits of bigger block architecture. The economy-focused engine is optimized to deliver peak torque at lower engine speeds and enable down-speeding without compromising drivability.





# An automated manual transmission with digital intelligence.

Volvo has made the industry's most advanced automated manual transmission even better. The latest edition of the Volvo I-Shift transmission includes upgraded hardware and software, greater durability, and a new countershaft brake for improved performance and smoother, faster shifting. The electronic control unit can handle any load and any road, shifting perfectly every time. We've also improved clutch durability and torsional dampening in both our D11 and D13 models. So I-Shift not only keeps fuel costs down, it can also help slow driveline wear, reduce noise and vibration, extend transmission life, and lower 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 newest 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 task at hand—delivering freight—not on what gear you're in. It's easy to use and always ready with the right gear, so missed shifts and sore knees are a thing of the past. With I-Shift, just sit back, get comfortable, and concentrate on your driving.



## 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 VNL. 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.



# No matter the load, we'll get you started.



When steep-grade startability and low-speed maneuverability are critical, the I-Shift with Crawler Gears is the answer for maximum GCW loads. The crawler option's additional gearing provides great startability and maintains low RPMs at cruising speeds.

The I-Shift with Crawler Gears enables controlled forward and reverse travel at extremely slow speeds. Our software optimizes shifting for high GCW applications, allowing shifting to occur at higher revs and enabling drivers to control downshifts. Running at cruising speeds is also more efficient because lower rpms are required.

Learn more: USA: [VNL.volvo.com](https://www.vnlvolvo.com) | CAN: [VNL.volvo.com](https://www.vnlvolvo.com)



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# FUEL EFFICIENCY



## The road 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 help you cut operating costs.





# Sleek design. Solid savings.

The latest VNL update features our most aerodynamic and fuel-efficient package. In fact, when paired with an aero trailer, it offers up to 7.5% fuel savings\* compared to our previous package.

\*Includes redesigned I-Shift's transmission cooler.



### Effortlessly splits the wind.

Out in front, the VNL features a new hood, bumper, and lower airflow deflector, which work together to quickly manage airflow and efficiently channel it rearward.



### Low turbulence is high priority.

Up above, the roof air deflector complements the cab fairings, keeping the airflow attached and smoothing out costly turbulence between the cab and trailer.



### Keeps air in the fast lane.

Down where the rubber meets the road, redesigned chassis fairings optimize airflow past the drive wheels and tractor-trailer gap.



### Mirrors that put savings in focus.

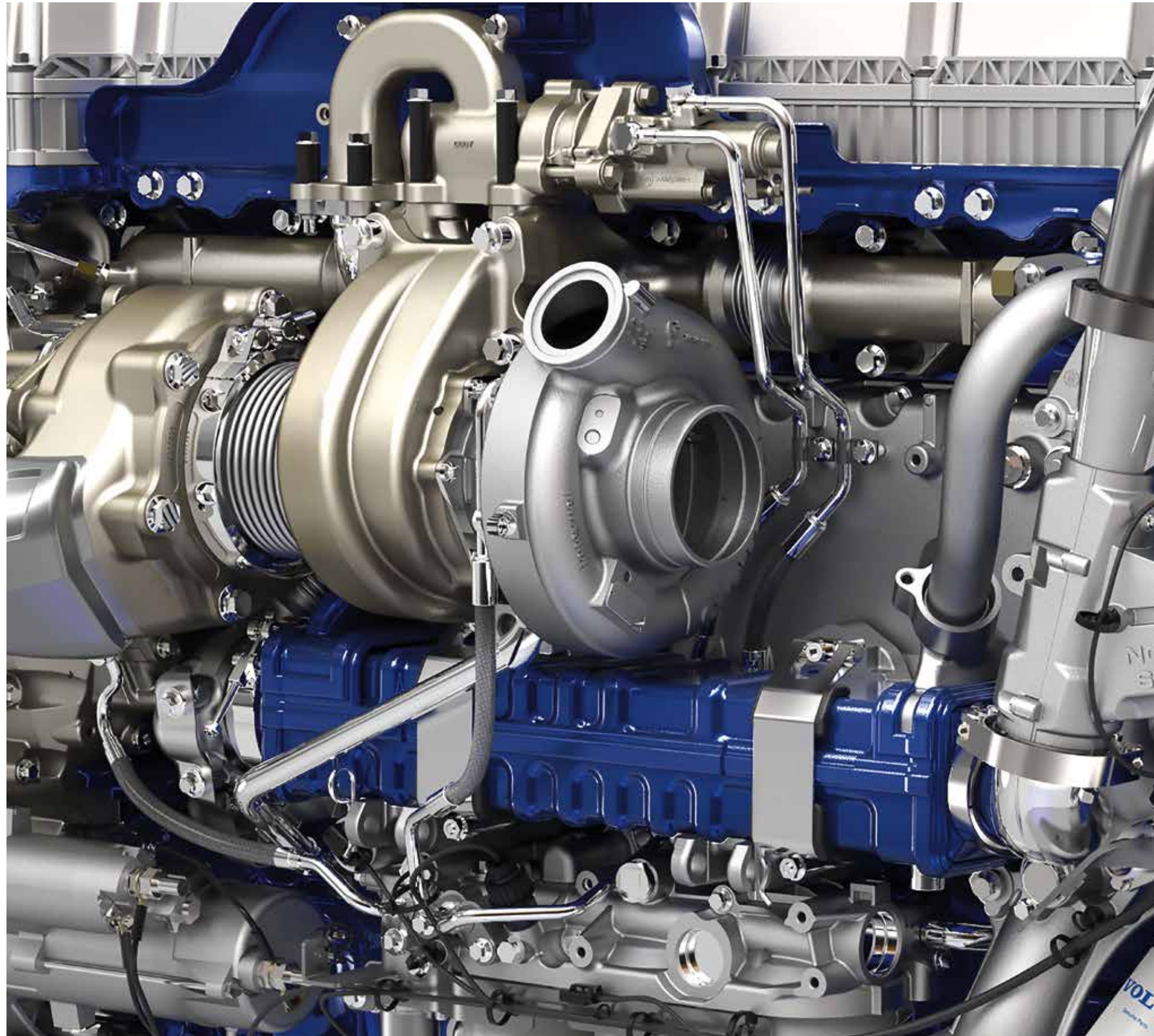
The driver sees comforting wide-angle views. Your fleet sees fuel savings. The aerodynamic design of our mirror assembly reduces turbulence by attaching air more quickly to the tractor.



### Controlling air doesn't stop on the outside.

A "smart" fan clutch and fan design increase fuel efficiency by up to 0.7%. This allows the fan to run only when extra cooling is necessary, providing variable fan speed based on cooling needs.





# Turbo compounding.

For applications operating primarily at cruise speed, Volvo's D13TC uses turbo compounding to recover lost energy. By employing a secondary exhaust turbine downstream of the main turbocharger, the normally lost energy is routed to the flywheel, recovering as much as 50 hp and helping to improve fuel economy by up to 6.5% compared to our previous generation of powertrains.



### 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 from friction between the piston and the cylinder bore, benefiting both power output and fuel efficiency. Our patented wave design on the face of the piston also 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 Copper Zeolite (Cu-Z) 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.



### Adaptive gearing and 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. From a full load, down to an empty trailer, the onboard, automated technology makes every driver a more efficient driver.



# Now every road is worth remembering.

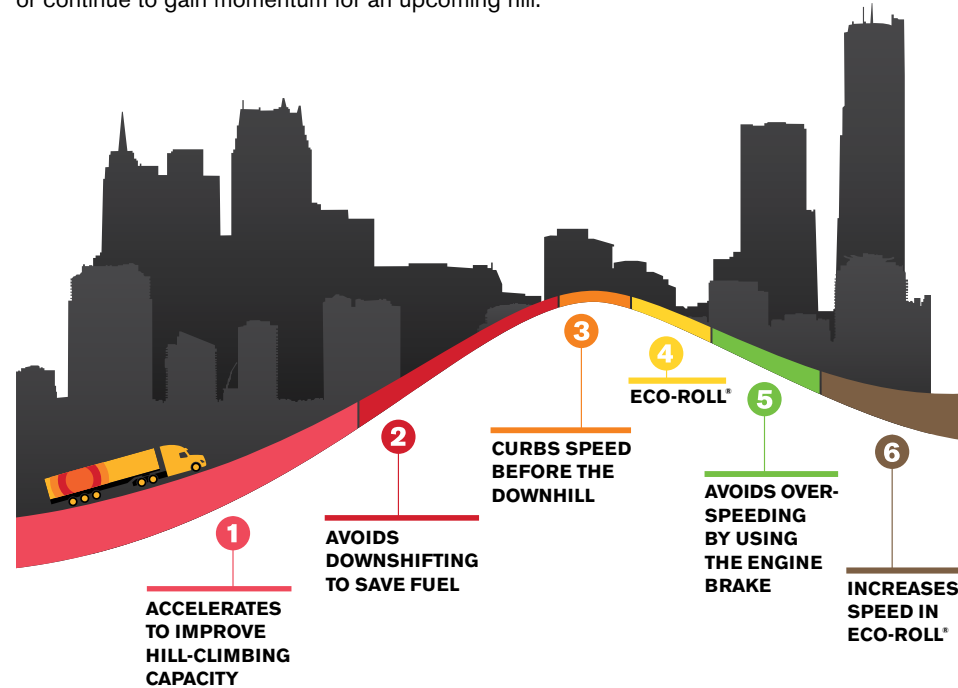
Combine the Volvo I-Shift transmission with an intelligent cruise control and you get I-See predictive cruise. It's a unique system that learns the topography of the road. Later on, it automatically uses its knowledge to save fuel when cruise control is engaged.

## Uphill.

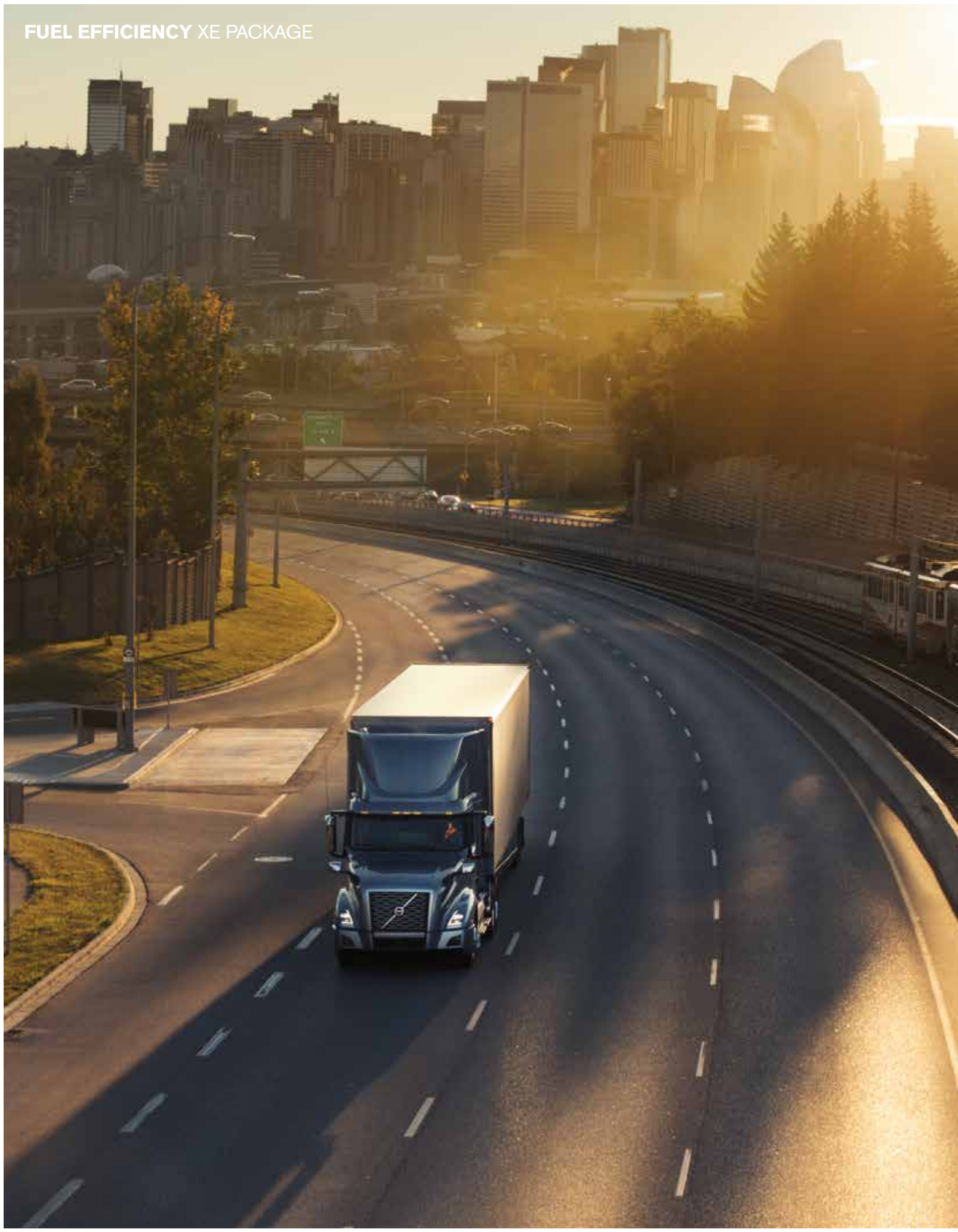
When I-See knows an uphill grade is coming, it increases speed in preparation. Once the climb begins, I-See uses its stored knowledge to avoid unnecessary downshifts toward the top. You approach the crest smoothly without wasting fuel in a lower gear at the top of the climb.

## Downhill.

Just before the slope, I-See engages Eco-Roll®, which disengages the driveline and lets the truck roll for the optimum period before re-engaging the driveline. This saves energy and minimizes the need for braking. I-See also knows when the slope ends. So it can apply the engine brake gently in time, rather than abruptly at the end, or continue to gain momentum for an upcoming hill.







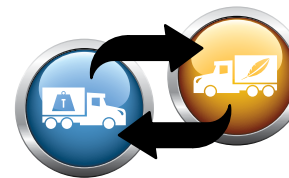
# Extreme fuel efficiency. Great drivability.

The award-winning eXceptional Efficiency (XE) packages push Volvo's commitment to fuel efficiency and reliability even further.

XE isn't a single fuel-saving feature; it's a completely customized solution that perfectly matches your vehicle and powertrain settings to the needs of your business. It all starts with choosing the right Volvo engine and matching it with an I-Shift transmission. Then, we help you choose the optimum efficiency package based on your application. Together, these factors can help you save up to an additional 0.2 mpg or more. That can mean savings of as much as \$2,000 per year, per truck.

You tell us what you haul and where you haul it, and we'll tell you how XE can help your trucks get the job done while helping your business save big on fuel.

Our XE packages get smarter every year. A customized XE package is now available for liquid tanker, flatbed, and bulk haul applications.



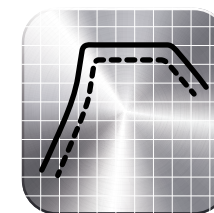
### **XE Adaptive Gearing.**

The first drivetrain in the industry to use rear suspension load to change the driveline based on whether the vehicle is loaded or unloaded. It gives you two transmissions in one: the performance of a direct drive when loaded and a downspeeding overdrive when light.



### **A wider sweet spot.**

In some applications, XE packages help you save fuel by widening the sweet spot rpm range of the engine. Traditional drivelines achieve peak fuel efficiency between 1300-1500 rpm. But through Volvo's use of downspeeding, XE widens the range to 1050-1500 rpm. For every 100 rpm of downspeeding, fuel efficiency is improved by approximately 1.5%. Since the Volvo XE13 package downspeeds the engine by 200 rpm or more, you'll realize a total fuel efficiency increase of up to 3%.



### **Choose your torque.**

The latest XE13 package is now available with your choice of different engine torque management software. XE Economy lowers engine torque in the starting gears, maximizing tire and driveline reliability while providing ample power and torque to get the job done at cruise speed. XE High Torque allows maximum torque in all gears, for those who prefer a faster transition to cruise speed.



# DRIVER PRODUCTIVITY



## Designed with the driver in mind.

To meet the needs of drivers—today and tomorrow—Volvo's new VNL series offers redesigned working and living spaces built on a proven, solid chassis that delivers a smooth ride and precise, nimble handling. Optimized seat design and positioning, along with a new dashboard, put the driver comfortably in command, maximizing productivity.



# 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 new Position Perfect™ Steering. With three-way positioning—including tilting the steering wheel in relation to the column—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 and outboard mounted air springs, shocks, and stabilizing rod help the VNL series give drivers a smoother, more stable ride than ever before.



### Comfort comes standard.

To meet the comfort, health, and safety needs of your drivers, VNL 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 cooler feature under the passenger seat also provides cold and convenient storage—accessible from the driver's seat—for snacks and drinks.



### Critical data, clearly displayed.

A new, more symmetrical instrument cluster combines well-organized traditional gauge faces with a high-resolution, five-inch color LCD screen. The programmable LCD screen can be configured to display a wide range of vehicle data alerts and system settings.



### 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 adjusted without diverting attention from the road. The steering wheel and controls are always comfortable and close at hand thanks to a new three-motion tilt/telescope wheel.



### Easy in and out.

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





**A step up.**

The VNL 760 and 860 feature a telescopic ladder to provide easier access to the top bunk. Ergonomically-designed rungs make climbing in and out of the upper area more comfortable. When not in use, the ladder can be quickly stowed away.



**Convenient controls.**

Adjust sleeper heating/cooling and the audio system from the sleeper control panel. Need to be noticed? Just press the "panic" button to call attention to your vehicle. The control panel in the VNL 740 and 760 sleepers includes controls for lighting, locks, and the inverter, as well as charging and audio ports.



**Want a drink or a snack?**

The VNL 760 features the largest refrigerator of any 70" sleeper in the industry. The cabinetry is configured to work with most small microwaves, so a hot meal or a cold drink is always close at hand.

## All the comforts of home.

At the end of the day, drivers need a comfortable living space to relax and recharge. That's why the VNL sleepers are packed with features to make your drivers feel at home on the road.

The flat-roof VNL 400 sleeper maximizes its 118 cubic feet of space. The living area holds a surprisingly large 36"x75" wide bed in an efficient 42" long sleeper, providing a cozy spot to rest after a long day.

The new 96" wide, 70" long sleepers on the VNL 740 mid-roof and VNL 760 high-roof provide a comfortable space to rest and relax. Both offer a standard 39"x81" lower bunk, with optional reclining bunk and fold-away table features. An optional 32"x78" fold-away upper bunk is also available.

For the ultimate in over-the-road comfort, look to the 77" long high-roof sleeper in the VNL 860. The high-roof VNL 860 offers a 42"x80" lower bunk and the choice of a fixed 36"x80" or fold-away 37"x78" upper bunk.



# Customize your ride.

The VNL's thoughtfully configured interior lets you choose from three different trim levels, all developed to stand up to the rigors of long-haul operations, while bringing premium automotive-style comfort and design into the driver's working and living environment.



## Limited

The Limited trim level features walls covered in our exclusive Longspur cloth with orange accent. The door panels are completed with our finest Longspur vinyl insert.



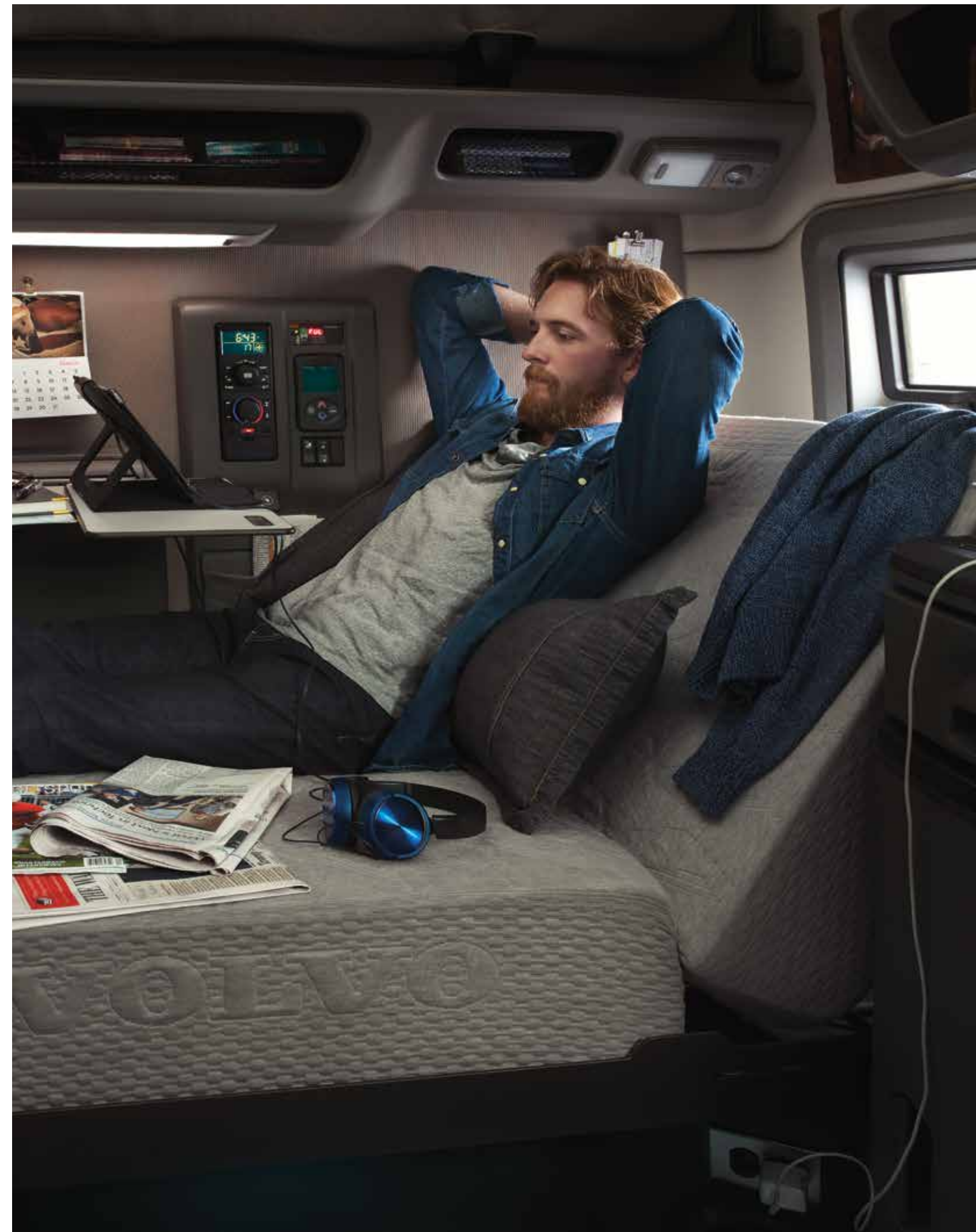
## Touring

The Touring level trim package offers an interior of Heron cloth that creates a comfortable spacious feel for the driver. Door panels are accented with Wren vinyl inserts.



## 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.





A man with a beard, wearing a dark t-shirt and a cap, is driving a Volvo truck. He is looking out the window at a scenic landscape with mountains and a forest. The word "SAFETY" is written in large, bold, white letters in the top left corner of the image.

**SAFETY**

## **Volvo is safety.**

Since 1927, safety has been the guiding principle for everything we do. We invented the three-point safety belt and were the first to introduce it as a standard feature in trucks. We also introduced the driver-side airbag and are still the only truck manufacturer to include it as standard in every vehicle we make. Building on this legacy, Volvo has upgraded to standard LED lighting, and now offers seats with 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 our 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 the driver 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 allows the driver to give full attention to surrounding traffic.



### **Adaptive Loading.**

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





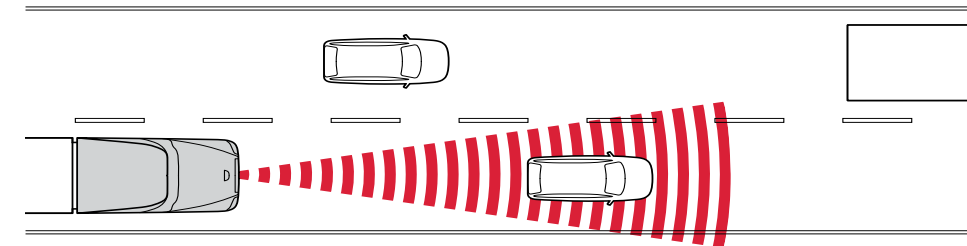


# Volvo Active Driver Assist.

Volvo Active Driver Assist is in constant operation while the vehicle is in motion, providing stationary object detection with vehicle braking, which sends audible and visual warnings if a non-moving, metallic object is detected in front of the truck. Braking assist will be applied—at speeds greater than 15 mph—when the system recognizes the stationary object as a vehicle, independent of whether cruise control is engaged. The driver will receive a warning up to 3.5 seconds before an imminent impact with the stationary vehicle; and if no action is taken by the driver, Volvo Active Driver Assist will automatically engage the brakes.

### Forward collision warning.

Volvo now offers enhanced forward collision warning. A red warning light flashes in the windshield to alert the driver if the vehicle sensors detect slower or stationary objects ahead; if the driver is slow to respond, the system can automatically apply emergency braking to help avoid a collision.



### Data camera.

A windshield-mounted, wide-angle camera is available as an option on the Volvo VNL. Relevant driver and vehicle performance data is collected by the camera when a trigger event occurs—such as excessive braking, lane changes without a turn signal, excessive curve speed, and extended loss of tracking. Video is captured for later download and can be used for driver coaching.



### Lane departure warning.

This safety system uses a windshield-mounted camera to track road markings. If the truck begins to drift, audio and visual alerts warn the driver to take corrective action.



## 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.





# UPTIME



## 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 transportation solutions partner that offers innovative ideas to help you keep trucks on the road and money in your pocket.

Volvo Trucks Uptime Services offer 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.





# With you every minute, every day.

Remote Diagnostics can help avoid unexpected downtime with 24/7 monitoring of your Volvo engine, I-Shift, and aftertreatment. 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.



### 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.



### Updates on the fly.

Volvo's new Remote Programming feature means you'll no longer have to take your vehicle out of service to perform software and parameter updates. Drivers simply pull over, connect to the Volvo Uptime Center, and the upgrade is completed over the air in a matter of minutes.



### ASIST service management platform.

Everything you need, all in one place. ASIST is a simple-to-use, 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. Preventive 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 400 dealers and thousands of service 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. Volvo Trucks Uptime Services are here to save you both.



## **Volvo Certified Uptime Centers.**

Our Certified Uptime Center dealerships can 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, so we can help you get back on the road within hours.







# Choose your Volvo VNL.

Every business needs a truck tailored to its specific needs. That's why the Volvo VNL 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. Ask if our additional safety and fuel efficiency packages are appropriate for your application.

## STEP 1:

### Choose your cab.

Daycab or sleeper; flat-roof, mid-roof, or high-roof; if your routes need a proven, profitable, long-haul performer, there's a Volvo VNL cab/sleeper configuration that will keep your drivers productive and meet the unique needs of your business.

## STEP 2:

### Choose your powertrain.

Volvo's engines and I-Shift transmission leverage innovative hardware and extensive integration to maximize efficiency, getting the most power out of every drop of fuel. For applications that require specialized powertrains, Volvo also works closely with Cummins, Eaton, and Allison to offer a full range of options.

## STEP 3:

### Choose your interior.

The VNL's thoughtfully configured interior lets you choose from three different trim levels and seven different seats, all developed to stand up to the rigors of long-haul transport operations, while bringing premium automotive-style comfort and design into the driver's working and living environment.



## SPECIFICATIONS



### STEP 1:

	<input type="checkbox"/> VNL 300	<input type="checkbox"/> VNL 400	<input type="checkbox"/> VNL 740
<b>Description</b>	Daycab designed to provide outstanding performance for short-haul deliveries.	Flat-roof sleeper designed for longer hauls requiring overnight rest to maintain hours of service compliance.	Spacious midroof sleeper designed for hauls requiring multiple overnight stays.
<b>Applications</b>	Truck Load/ Short Haul	Truck Load/ Hours of Service	Long Haul/Tanker/ Bulk/Flat Bed
<b>Cab Type</b>	Daycab	42" Sleeper	70" Sleeper
<b>Interior Height</b>	61"	61.5"	75.2" between seats, 80.7" rear of sleeper
<b>Interior Width</b>	83.5" door-to-door	83.5" door-to-door with 75"x36" mattress	83.5" door-to-door with 81"x39" mattress
<b>Wheelbase per axle configuration</b>	146"-211" 4x2 170"-256" 6x4	173"-211" 4x2 182"-266" 6x4	197"-211" 4x2 215"-262" 6x4
<b>Wheelbase: Alternate Configurations</b>	146"-222" 6x2 Tag 193"-222" 6x2 Adaptive Loading	156"-222" 6x2 Tag 211"-230" 6x2 Adaptive Loading	189"-222" 6x2 Tag 238"-248" 6x2 Adaptive Loading



	<input type="checkbox"/> VNL 760	<input type="checkbox"/> VNL 860
<b>Description</b>	A long-haul sleeper built to deliver reliable performance mile after mile.	Our premium long-haul sleeper. Providing comfort without compromise.
<b>Applications</b>	Long Haul/Van Trailer	Premium Long Haul/Van Trailer
<b>Cab Type</b>	70" Sleeper	77" Sleeper
<b>Interior Height</b>	81.5" between seats, 100.2" rear of sleeper	81.5" between seats, 102.25" rear of sleeper
<b>Interior Width</b>	83.5" door-to-door with 81"x39" mattress	83.5" door-to-door with 79"x42" mattress
<b>Wheelbase per axle configuration</b>	197"-211" 4x2 217"-262" 6x4	228" 4x2 223"-254" 6x4
<b>Wheelbase: Alternate Configurations</b>	191"-222" 6x2 Tag 238"-248" 6x2 Adaptive Loading	197"-250" 6x2 Tag 248"-252" 6x2 Adaptive Loading



# SPECIFICATIONS



## STEP 2:

	<input type="checkbox"/> VOLVO D11	<input type="checkbox"/> VOLVO D13	<input type="checkbox"/> CUMMINS X-15
<b>Ratings:</b>	325-425 hp / 1250-1550 lb-ft.	375-500 hp / 1450-1850 lb-ft.	400-565/1450-1850
Base Engine Configuration	4 cycle / Inline Six	4 cycle / Inline Six	4 cycle / Inline Six
Emissions	SCR Selective Catalytic Reduction	SCR Selective Catalytic Reduction	SCR Selective Catalytic Reduction
Aspiration	Sliding Nozzle Variable Geometry Turbocharger	Sliding Nozzle Variable Geometry Turbocharger	Sliding Nozzle Variable Geometry TurboCharger
Cam / Valve Configuration	SOHC / 4 Valves per Cylinder	SOHC / 4 Valves per Cylinder	SOHC / 4 Valves per Cylinder
Cylinder Head	One Piece Rigid Deck Cylinder	One Piece Rigid Deck Cylinder	One Piece Rigid Deck Cylinder
Injection System	Common-Rail	Common-Rail	Common-Rail
Maximum Fuel Injection Pressure, psi (bar)	35,000 (2,400)	35,000 (2,400)	35,000 (2,400)
Rating Uprateability	Software Only, Throughout Range	Software Only, Throughout Range	Software Only, Throughout Efficiency Series Range (400-500) hp
Displacement, cu. in. (L)	661 (10.8)	780 (12.8)	912 (14.9L)
Compression Ratio	17:1	17:1	19.6:1
Bore & Stroke, in. (mm)	4.84 x 5.98 (123 x 152)	5.16 x 6.22 (131 x 158)	5.29 x 6.65 (137 x 169)
Cylinder Spacing, in. (mm)	6.06 (154)	6.61 (168)	6.61 (168)
Full Dress Dry Weight, lb. (kg)	2259 (1025)	2605 (1182)	N/A
<b>Fuel and Lubrication:</b>			
Fuel Specification	Ultra Low Sulfur Diesel, 15 ppm	Ultra Low Sulfur Diesel, 15 ppm	Ultra Low Sulfur Diesel, 15 ppm
Fuel Filters	Primary plus Secondary	Primary plus Secondary	Primary plus Secondary
Total Lube Oil Capacity, qts. (L)	38 (36)	38 (36)	55.9 (52.9)
Oil Filtration	Two Full Flow, One Bypass	Two Full Flow, One Bypass	One Full Flow
Oil Drain Interval, Normal Service, miles (km)	60,000 (96,561)*	60,000 (96,561)*	50,000 (80,000)
Oil Specification	Volvo VDS-4.5, SAE 10W-30	Volvo VDS-4.5, SAE 10W-30	CK-4
FLOCS Oil Drain Kit	Optional	Optional	Optional
<b>Engine Equipment:</b>			
Air Compressor, CFM	Two Cylinder, 31.8	Two Cylinder, 31.8	Single Cylinder, 18.7
Retarder	Volvo Engine Brake (VEB)	Volvo Engine Brake (VEB)	Cummins Engine Brake
Engine Brake Rating at 2200 rpm	420 hp @ 2200 rpm	500 hp @ 2200 rpm	527hp @ 2100 rpm
Engine Brake Rating at 1500 rpm	266 hp @ 1500 rpm	350 hp @ 1500 rpm	473hp @ 1500 rpm
Engine Brake Weight, lbs. (kg)	25 (12)	25 (12)	15 (17)
PTO Port for Live Rear PTO Pump or Shaft	Optional	Optional	Optional Flywheel Housing available
Preheater, Electrical	Optional	Optional	Optional Ether Injection

\* Volvo branded VDS4.5 oil and > 6 mpg.



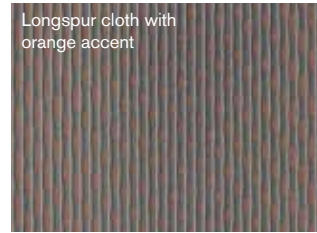
	<input type="checkbox"/> VOLVO I-SHIFT I-SHIFT FOR SEVERE DUTY I-SHIFT WITH CRAWLER GEARS	<input type="checkbox"/> EATON FULLER 10, 13, 18	<input type="checkbox"/> ALLISON 6 SPEED AUTOMATIC
<b>Description</b>	Automated Manual Transmission	Manual and Automated Manual Transmission	Automatic
<b>Dry Weight w/ clutch and oil cooler (lbs.)</b>	720 or 805	541 to 978	831
<b>Max Torque Capacity (ft-lb) / (NM)</b>	1900 (2600)	2050 (2779)	1770 (2400)
<b>Transmission Housing Body</b>	Aluminum	Aluminum/Cast Iron	Aluminum
<b>Max Highway Weight (lbs)</b>	220,000*	140,000*	Manufacturer Approval Required
<b>Predictive Cruise Control</b>	I-See	No	No
<b>Software based upgrades available</b>	Yes	Yes	Yes
<b>Overall gear ratios</b>	14.94 to 41.08	14.80 to 19.72	NA**
<b>Forward Gears</b>	12, 13, or 14	10, 13 or 18	6
<b>Reverse Gears</b>	2 to 6	2 to 4	1

\* Requires application approval.

\*\* Torque converter.



## SPECIFICATIONS



### STEP 3:

	<input type="checkbox"/> FLEET TRIM LEVEL	<input type="checkbox"/> TOURING TRIM LEVEL	<input type="checkbox"/> LIMITED TRIM LEVEL
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<b>Description</b>	Our Fleet Trim Level is designed for maximum durability to withstand the wear associated with high-use applications. The Fleet Trim Level I is available in VNL 300, 400, 740, and 760 models.	Touring Trim Level features a Heron cloth finish throughout the cab, with touches of Wren vinyl for a more refined interior. The Touring Trim Level is available in all VNL models.	The Limited Trim Level offers luxurious options in every corner, including Wood Grain trim for the dash and cabinetry. The Limited Trim Level is available in all VNL models.
<b>Headliner</b>	Heron vinyl with dot pattern	Heron cloth	Heron cloth
<b>Back Wall</b>	Heron vinyl	Longspur cloth with metallic accent	Longspur cloth with orange accent
<b>Door Insert</b>	Wren molded plastic	Wren vinyl	Longspur vinyl
<b>Instrument Panel Decorative Trim</b>	Hex Grain	Hex Grain	Wood Grain
<b>Cabinet Trim</b>	Hex Grain	Hex Grain	Wood Grain
<b>Seat Options</b>	Seven	Seven	Seven
<b>Floor Insert Options</b>	Two	Two	Two







**VOLVO**

**Volvo Trucks**

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Some vehicles shown with optional equipment.

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