



Volvo Trucks. Driving Progress

VOLVO VNX SERIES

EXTREME CAPABILITY, PREMIUM COMFORT





SEE THE DIFFERENCE EVERY DIFFERENCE MAKES.



Driver Productivity:
Space, features,
comfort.

See how the VNX
series can help
keep drivers
comfortable and
productive.

pg. **18**



Fuel Efficiency:
Maximize payload and
performance, minimize
operating cost.

Explore the features
of the refined VNX
series that help
you save more on fuel.

pg. **26**



Safety:
Industry-leading
protection.

Learn how Volvo's
legendary commitment
to safety helps protect
your most valuable
asset—your drivers.

pg. **34**



Uptime:
Know the road ahead.

Discover the power
to know the road ahead
with a suite of services
that lets you keep
wheels turning and
money in your pocket.

pg. **40**



VNX 430

The regional heavy-haul workhorse.

VNX 630

The long-range heavy-hauler.

VNX 300

The extreme heavy-hauler.

WHY VNX?

Extreme capability and premium comfort come together in our toughest truck, the VNX. Equipped with a Volvo D16 engine that delivers up to 600 hp and 2,050 lb-ft of torque, the VNX has the power demanded by heavy-haul applications such as timber hauling, machinery transport, and long combination vehicles.

Because nothing is typical in heavy-haul transportation, every VNX is custom. Approved Gross Combination Weight Ratings (GCWR) span from 110,000 to 160,000 pounds, with peak ratings of more than 220,000 pounds with application approval and appropriate components. Optional steer axles, lift axles, tridem drive axles, and longer fifth-wheel slides help you meet a diverse range of weight distribution requirements.

Increased ride-height improves articulation and ground clearance for a smoother ride when the heavy haul goes beyond the pavement. Inside, a long list of standard and optional amenities bring premium comfort to the VNX day cab and sleeper models.

Which VNX is right for your business?



Maximum versatility for extreme payloads.

This payload extremist combines power and agility to efficiently deliver heavy loads. When short routes call for high productivity, the VNX 300 efficiently hauls the longest and heaviest loads with approved GCW ratings to 160,000 lbs. or more and a nimble 122" BBC daycab configuration.

Axle configurations including 6x4 tandem, 8x4 tandem, and 8x6 tri-drives are offered with custom frame lengths and fifth-wheel placement to enable full compliance with complex weight distribution regulations.

The VNX 300 backs up its heavy-haul brawn with Volvo's legendary safety, visibility, and driver comfort.

Payload performance and regional comfort.

Around the region or across the Rockies, this all-purpose player delivers payload-maximizing performance with the convenience of a right-sized sleeper when heavy hauls stretch overnight.

The VNX 430's integrated drivetrain features the Volvo D16 engine and I-Shift with Crawler Gears to efficiently haul extreme loads with ease, without compromising startability.

With its versatile 42-inch sleeper, the VNX 430 is designed especially for the needs of regional heavy-haul applications. Exceptional maneuverability and superb visibility ease the task of navigating tight jobsites, while a 36-inch wide bed provides a comfortable rest when the job occasionally takes you far from home.

Learn more: USA: VNX.volvotrucks.us | CAN: VNX.volvotrucks.ca



Heavy hauls, long routes, no compromises.

When oversize meets open road, this premium payload performer delivers capability and comfort.

Like every VNX model, the VNX 630 benefits from the power and precision of a high-torque, integrated Volvo powertrain, built to efficiently haul the heaviest loads.

Because long distances and specialized loads can require multiple nights on the road, heavy haul operators need a premium sleeper cab. The VNX 630 makes life on the road more comfortable and productive with a spacious 61-inch mid-roof sleeper that offers room for a bed 36 inches wide, as well as plenty of space for storage and amenities.





Maximum power to deliver extreme payloads.

Oversize, overlength, or overweight, nothing is standard with heavy-haul jobs; but power, efficiency, and control are all standard features on the VNX powertrain. Volvo's 2017 family of engines builds on a foundation of proven, mature architecture, leveraging innovative hardware to maximize efficiency.



Volvo D16
500-600 hp, 1650-2050 lb-ft.

Volvo's ultra-reliable D16 delivers the power and torque needed to move large payloads with ease, even on steep grades. Four power ratings are available from 500 to 600 hp.

An automated manual transmission with digital intelligence.

Every VNX comes standard with the new and improved I-Shift for Severe Duty transmission, built for rugged applications. The latest edition of the I-Shift for Severe Duty includes upgraded hardware and software, improved engaging sleeves for greater durability and a new countershaft brake for improved performance and smoother shifting. The electronic control unit can handle any load and any road, shifting perfectly every time. Clutch durability and torsional dampening are also upgraded. So I-Shift not only keeps fuel costs down, it can help slow driveline wear, reduce noise, extend transmission life, and lower maintenance costs.



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.



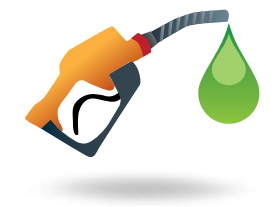
Eases your mind and your left foot.

When 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. 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.

I-Shift has a 2,300 lb-ft torque rating, so it's compatible with every engine in our lineup. 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 adds either one or two gears to I-Shift, a low gear and ultra-low gear, for low-speed control.

The I-Shift with Crawler Gears' weight capacity is among the industry's highest for automated manual transmissions. It enables controlled forward or reverse travel at extremely slow speed. Upgraded software optimizes shifting for high GCW applications, allowing shifting to occur at higher revs, and enabling drivers to control downshifts.

Learn more: USA: VNX.volvotrucks.us | CAN: VNX.volvotrucks.ca



DRIVER PRODUCTIVITY



Designed with the driver in mind.

A comfortable driver is a productive driver. So the VNX series starts with a solid chassis and sure-footed suspension. The well-insulated cab offers superior noise suppression, great visibility, adjustable and supportive seats, and a wraparound dashboard designed to keep all controls within reach.

Confidence in tough conditions.

Volvo's highly responsive steering provides confident handling whether you're on the haul-road, or the open highway. Dual steering gears on the VNX minimize driver effort and reduce vibration. Maneuvering through a crowded jobsite requires maximum driver awareness, so the VNX delivers best-in-class visibility with a panoramic one-piece windshield, sloped side windows, and a split rearview mirror design.



Wheel cut.

Through strategic positioning of the steering gear, Volvo maximizes the wheel cut with a 51" axle-back front axle position. With a front suspension design that provides a more comfortable ride and a vocational aluminum wheel, a wheel cut of up to 50 degrees delivers one of the tightest turning radius in the industry.

Learn more: USA: [VNX.volvotrucks.us](https://www.volvotrucks.us) | CAN: [VNX.volvotrucks.ca](https://www.volvotrucks.ca)



Comfort comes standard.

With back and lateral support, front and rear cushion adjustment, fore/aft isolation, 7-inch fore-and-aft slide, and power air lumbar support, the VNX standard seats offer drivers an incredibly comfortable ride.



Like riding on air.

Volvo cab air suspensions and outboard mounted air springs, shocks, and stabilizing rod help the VNX series give drivers a smoother ride.



A quiet place to work.

A thick layer of insulation combined with some of the quietest running engines in the industry keeps the cab comfortable and quiet.



Everything important, all in one place.

With the centrally located instrument cluster with Driver Information Display (DID), a quick look is all it takes. Analog gauges like fuel, speed, and rpm complement the digital DID's optional Performance Bonus Display.



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.



Connect and enjoy.

Expandable audio systems let you connect mobile devices through Bluetooth, USB, and AUX.

Customize your ride.

VNX interiors are some of the industry's best places to work—comfortable and well designed, yet tough enough to handle the most demanding applications.

Each of the three interior trim levels offer many color and material combinations to choose from. And all three trim levels can be enhanced further with premium Wheat Mordura, Dark Brown Cordura, and your choice of leather seating options in Espresso Brown or Sahara Tan.



Choice

The standard trim level, Choice offers dark or light interior colors, with lighter Lennox Ivory or darker Espresso Brown seats.



Rally

An upgraded trim level, Rally offers dark or light interior colors, with durable Rally fabric seats.



Touring

The premium trim level, Touring offers Dark Zebrano accents, and the dark Touring fabric on the seats.

Open road comfort on the jobsite.

When the job stretches beyond the end of the day, drivers need a place to relax and recharge. That's why the VNX sleeper offers premium open road comfort that feels like a home away from home.

The flat-roof VNX 430 sleeper maximizes its 118 cubic feet of space, and with a 36-inch wide bed in an efficient, 42-inch sleeper, it's a cozy spot to rest after a long day. The 61-inch sleeper in the VNX 630 offers even more room, providing the perfect place to eat, rest, or catch up on paperwork.



Adjust 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.

A TV mount in the VNX 630 lets you enjoy entertainment from the comfort of your bed.

The VNX 630 sleeper features spacious and well-organized cabinets that can be configured to hold a refrigerator, microwave, and TV.

FUEL EFFICIENCY

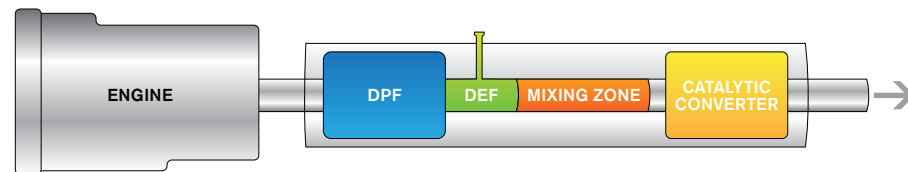


Innovation with purpose— to save you money.

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. The result is fuel efficiency custom built to cut your operating costs.

Maximize performance and payload, minimize operating cost.

Volvo engines offer an impressive mix of power, efficiency, and value. All our 2017 engines are optimized to help you save fuel. And with up to 600 hp and 2,050 lb-ft of torque, Volvo engines are built to handle the demands of the road with all the power you need.



Driving near-zero emissions.

Volvo's Selective Catalytic Reduction (SCR) system is a superior solution to the EPA's emissions standards, not to mention a fuel- and cost-saving innovation for your fleet.

Here's how it works: high-NOx/particulate exhaust flows from the engine to Volvo's diesel particulate filter (DPF), where much of the exhaust's particulate is removed. Next, before the exhaust reaches the catalytic converter, diesel exhaust fluid (DEF) is mixed in. The DEF and catalytic converter change the harmful nitrogen oxides into harmless nitrogen and water vapor, and the truck's NOx emissions register at near-zero levels. DEF allows the engine to use less exhaust gas recirculation (EGR), and maintain higher oxygen levels for better combustion.



We work hard, to make your job easier.



Pursuing efficiency through innovation, it all adds up.

At Volvo, fuel efficiency is the sum of many parts, not simply a specification to be met at the cost of performance or durability. Innovation is pursued at every opportunity. From the design on the drawing board, to the exhaust stack on the finished truck, we find solutions for improving performance, reducing friction losses, and cutting weight, all contributing to increased fuel efficiency.



I-See.

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



Lower fuel costs, no special driver training.

Volvo's SCR engine leads the industry in using fully passive regeneration to deliver near-zero emissions of NOx and particulates. And because this process happens automatically in most highway applications, your drivers don't need any special training—saving your fleet both time and money.



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 result is phenomenal retarding horsepower at low rpm, where the engine spends most of its time and where braking is needed most. An impressive 600 hp of retarding is available at 2200 rpm with the D16.

More performance, less wear.

When payloads are extreme, smooth accurate shifts are most critical. Whether running at tare weight or maximum GCW, Volvo's I-Shift optimizes gear selection to maximize performance and minimize fuel consumption, allowing the driver to remain focused on the surroundings.

I-Shift's close integration with the Volvo powertrain ensures that shifts are made smoothly, at the ideal engine speed, reducing much of the drivetrain and chassis wear typically associated with heavy haul applications.



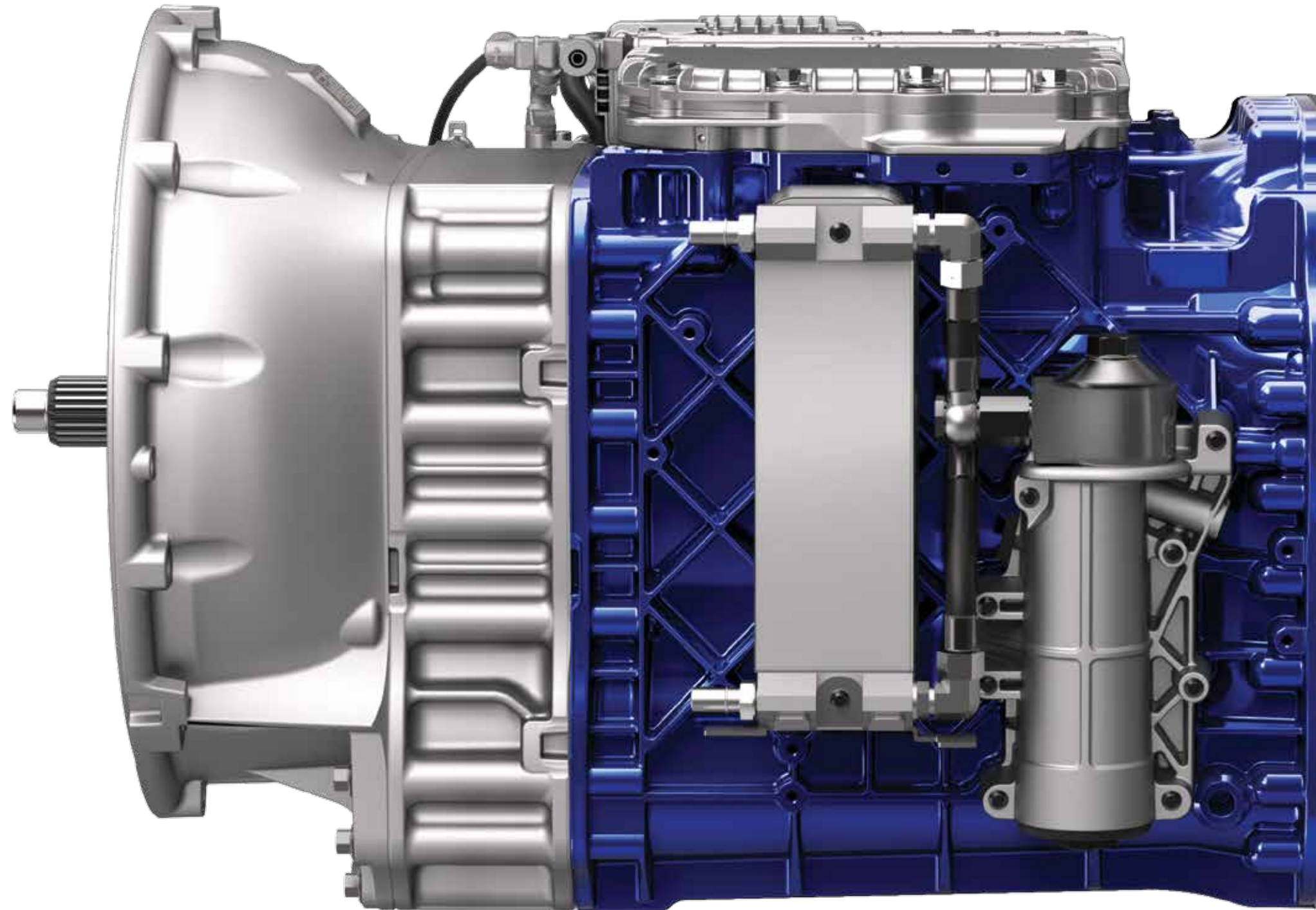
Performance software package.

Volvo VNX models equipped with the I-Shift transmission offer the P+ Enhanced Performance mode, adapted for construction and heavy haul applications. This mode includes various functions that adapt shift points and gear selection to poor driving surfaces and hilly road stretches. It includes functions that aid starting from a standstill in less than ideal driving conditions. The performance software package also gives the driver the ability to rock free if needed.



Power launch.

The P+ Power Launch feature is a part of the performance software package. It is activated to provide extra torque when starting from a standstill, when loaded to capacity, or on poor terrain. The feature matches torque to the terrain, minimizing wheel-slip on soft surfaces.





SAFETY

Volvo is safety.

Since 1927, our brand has used safety as the guiding principle for everything we build. We were the first company to introduce 3-point safety belts as a standard feature, and to this day are the only company to provide driver-side airbags standard in every truck we make.

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.

Keeping you out of danger.



Volvo Enhanced Stability Technology (VEST).

Loss of control, jackknives, and rollovers are three of the most dangerous incidents a driver can face. Standard on all VNX tractors, Volvo Enhanced Stability Technology, or VEST, continually monitors driver inputs and normal driving parameters. When VEST detects that the truck is dangerously close to an event such as a rollover, the system automatically reduces engine torque and selectively applies the necessary braking to help get the truck back on course.



Self-cleaning steps.

At Volvo, driver safety begins even before the engine starts. Self-cleaning steps ensure secure footing during cab ingress and egress, while ergonomic grab-handles provide a solid grip, even when wearing gloves.



I-Shift.

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.



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 get back into the correct lane.

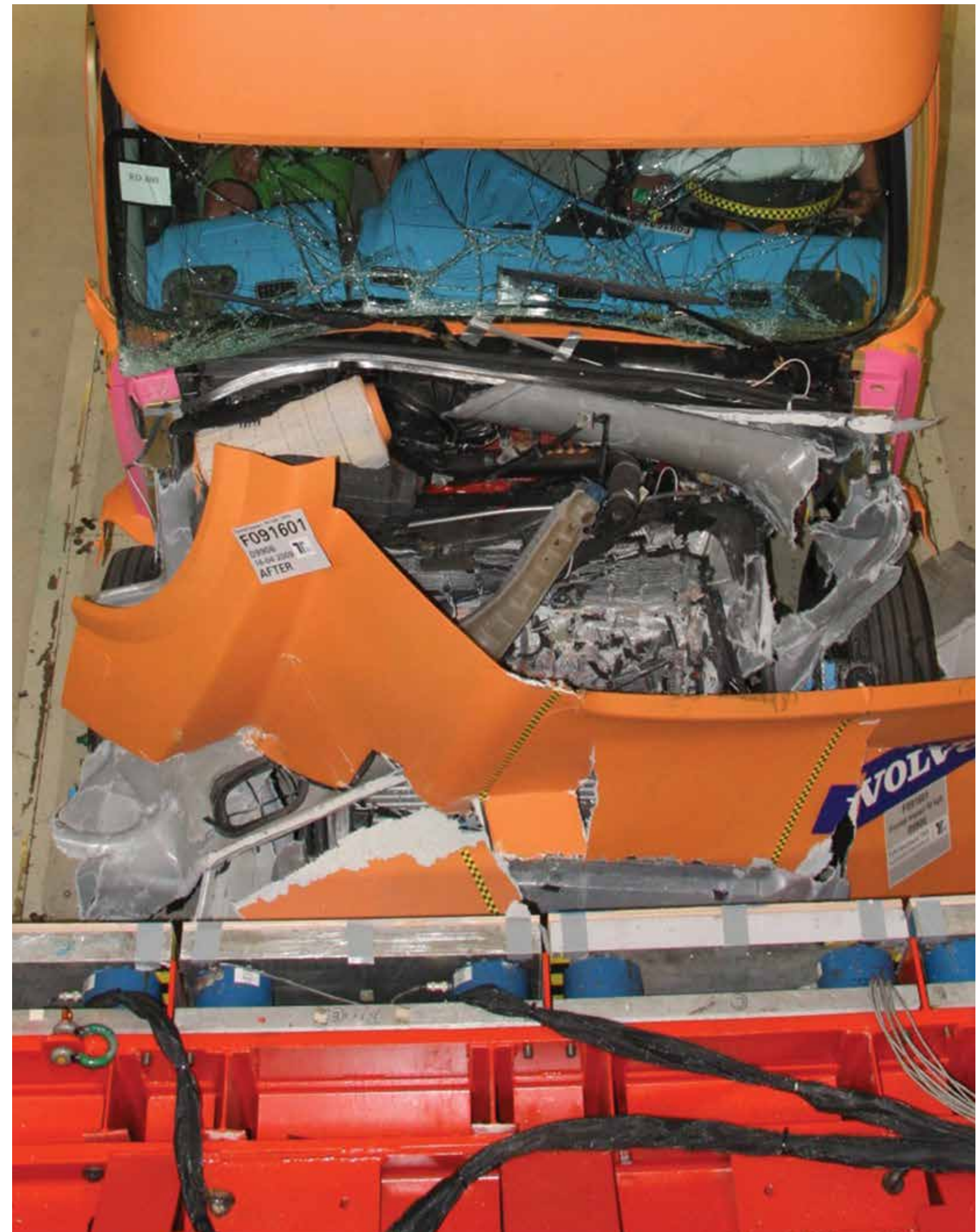
Industry-leading. Just in case.



To make sure that our trucks are the safest on the road, we combine advanced engineering with active and passive safety systems.

Built to exceed the demanding Volvo Swedish Cab Safety Test, our high-strength steel (HSS) cabs have the industry's highest strength-to-weight ratio, and are designed to absorb as much of a crash's energy as possible to protect the driver. To further protect occupants, the steering column collapses and the engine and transmission drop down and away from the driver.

Volvo is the only Class 8 manufacturer to make a driver's side airbag standard equipment in every truck. It's exactly what you'd expect from the inventors of the 3-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 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.



The Volvo Uptime Center.

Real people. Real solutions. Real fast. The Volvo Uptime Center offers around-the-clock assistance anywhere in Canada and the United States. 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, or 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 a 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.

No matter the job, 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 360 dealers and thousands of service locations across North America, Volvo's Uptime Services help you through every step of a service event, and make sure your trucks stay where they belong—on the job.

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

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



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.



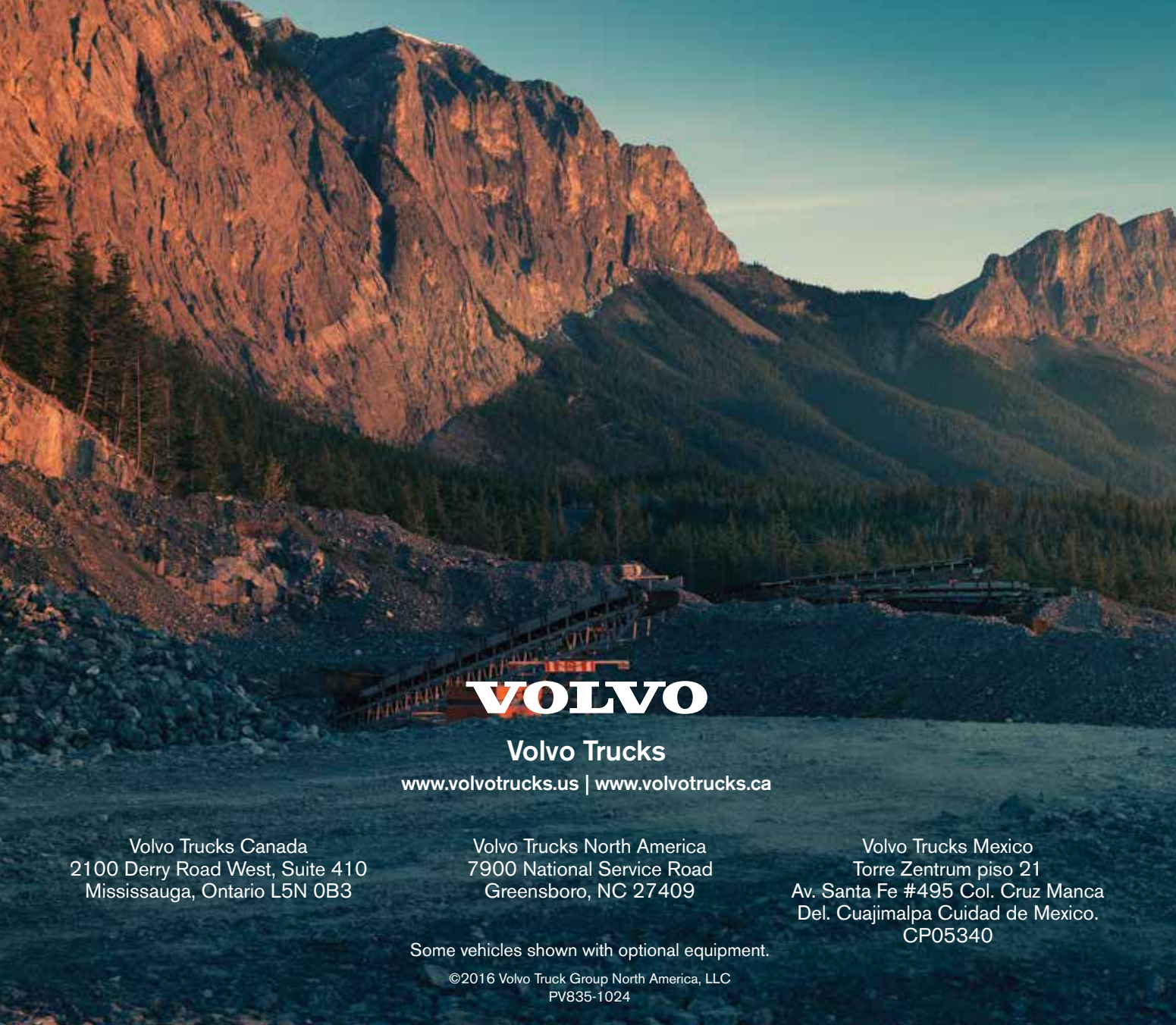
OVERVIEW



	VNX 300	VNX 430	VNX 630
Cabs/ Sleepers	Daycab/ Long Hood	42" Flat-Roof Sleeper/ Long Hood	61" Mid-Roof Sleeper/ Long Hood
Applications	Local/Regional Heavy-Haul Low-Bed, Oilfield, Gravel Train Length-Sensitive	Regional Heavy-Haul LCV Doubles/Triples HOS Compliant	Regional/National Heavy-Haul Machinery Transport, Specialized Carriers Team/Long-Haul
GVWR	60,600-88,000 lb	60,600-68,000 lb	60,600-94,000 lb
GCWR	110,000-160,000 lb*	110,000-160,000 lb*	110,000-160,000 lb*
Engines	Volvo D16 500-600 hp 1650-2050 lb-ft torque Straight Torque, Eco-Torque Performance	Volvo D16 500-600 hp 1650-2050 lb-ft torque Straight Torque, Eco-Torque Performance	Volvo D16 500-600 hp 1650-2050 lb-ft torque Straight Torque, Eco-Torque Performance
Transmissions	Standard: I-Shift for Severe Duty 12 spd Optional: I-Shift with Crawler Gears Eaton Fuller 13 or 18 Speed Manual	Standard: I-Shift for Severe Duty 12 spd Optional: I-Shift with Crawler Gears Eaton Fuller 13 or 18 Speed Manual	Standard: I-Shift for Severe Duty 12 spd Optional: I-Shift with Crawler Gears Eaton Fuller 13 or 18 Speed Manual
GAWR Front/Rear	14,600-16,000 lb/ 46,000-72,000 lb*	14,600-16,000 lb/ 46,000-52,000 lb*	14,600-20,000 lb/ 46,000-78,000 lb*
Suspensions Front/Rear	Volvo Parabolic Leaf Spring/ Neway ADZ	Volvo Parabolic Leaf Spring/ Neway ADZ	Volvo Parabolic Leaf Spring/ Neway ADZ
Auxiliary Axles	13,000-20,000 lb Lift Axle	None	13,000-20,000 lb Lift Axle, Tridem Drive Axle



*Additional ratings available with application approval. Please check with your Volvo dealer.



VOLVO

Volvo Trucks

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CP05340

Some vehicles shown with optional equipment.

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