

VOLVO CONSTRUCTION EQUIPMENT

# WASTE & RECYCLING SOLUTIONS



MORE CARE. BUILT IN.



# A VITAL LINK IN MODERN WASTE HANDLING

Volvo has over twenty five years experience in waste handling and offers the market's widest range of purpose-built machines; all designed to meet high industry demands for safety, dependability and cost efficiency. As focus continues to shift to intensive recycling not just waste handling, Volvo is ready. Together with you, Volvo is a vital link in modern waste handling.





# AN EVER-CHANGING INDUSTRY WITH NEW AND GREATER NEEDS

Environmental demands regarding waste disposal and recycling have increased dramatically. Much more is expected not only of those working with waste, but also of those supplying the machines to gather, sort process and dispose of the growing mountains of waste.

## **Quality, safety and environmental care**

Volvo has always been driven by strong core values. Our company's founders made clear from the beginning that our business would always have the safety of people at heart and that technology would be developed on human terms. Our three core values of quality, safety and environmental care grew from these basic ideas. Today these core values are more relevant than ever. Not least in waste management.

## **Global strength**

During recent years Volvo has strengthened its position around the world. For over 175 years, the company has been developing from a local industrial company into a truly global Group. Today, we are Europe's largest and the world's second largest truck manufacturer with such brands as Volvo, Mack, Renault and Nissan. Volvo Buses is the world's second largest bus manufacturer, Volvo Aero is the world leader in service and selected components for the aviation industry and Volvo Penta is one of the world's leading suppliers of engines and drive trains for marine and industrial applications.





# OUTSTANDING EFFICIENCY AND SAFETY AT THE TRANSFER STATION

With many standard features specifically developed to withstand the abuse from tough environments, Volvo wheel loaders and Volvo excavators push and load the profusion of waste with outstanding efficiency and safety.

## **An optimal combination**

Volvo wheel loaders and Volvo excavators bring an impressive resume to this demanding job. The wheel loaders with fast work cycles and smooth bucket movements, the excavators with high digging and lift forces and quick swing performance. Both machines have smooth hydraulic controls, outstanding visibility and operator comfort. Volvo offers an optimal combination of performance, fuel economy and environmental care.

## **Quicker load out**

Volvo excavator waste handlers use high performance trash grapples to break down bulky and unwieldy material. With superior digging forces and high flow attachment hydraulics, the excavator sinks the grapple deep into the pile to grab the fullest load. Volvo excavators mean quicker load-out and more tons moved per day.

## **Effective protection of both man and machine**

To protect both the operator and the machine, Volvo has more filters than any other competitor on the market. With a filter system in a class of its own, the air in the cab is always clean; dust and dirt don't get into the operator's lungs or the engine, transmission, axles, hydraulics and fuel tank. Cooling fans that automatically reverse help keep coolers cleaner for better performance, and can extend service intervals to manually blow out debris for better uptime.





# SORTING AND LOADING WITH STRENGTH AND INTELLIGENCE

When you have to move, sort and load material as fast as possible, you won't find a better combination than a Volvo wheel loader and a Volvo excavator. These uncompromising machines bring together strength, intelligence, drivability and safety. You can depend on these machines to keep transport trucks rolling.

## **Immediate power for fast work cycles**

Volvo drivetrains provide excellent rimpull while maintaining great traction even in poor conditions, with more power and much less tire wear. Load-sensing hydraulics and patented torque-parallel linkage on the wheel loaders sensitive yet strong operation at any bucket position. Movements are always smooth and stable, with no jerks and surprises.

## **High productivity and profitability**

An ever-growing mountain of solid waste has to be handled quickly. Purpose-built, rugged and highly productive Volvo waste-handling excavators are engineered for this tough demand. Keeping the transport trucks or rail cars rolling requires control, fast work cycles and the power to compress waste in the beds. Smooth, powerful hydraulics allow Volvo excavators to manage the task with ease, ensuring high levels of production and profitable operation.

## **An operator's favorite**

In harsh environments such as waste handling, operator safety is vital. Therefore, all Volvo construction equipment is designed for optimal operator protection and comfort.

## **Buckets for every need**

Volvo's range of buckets is very comprehensive, encompassing tough buckets for all types of waste handling. For truck loading and push floor operations there's the refuse buckets, and the High Tip Bucket have exceptional dump clearance for high trucks and bins.





# A FLEXIBLE AND DEPENDABLE TEAM FOR TRANSPORT AND LANDFILLS

Once the recyclable material is sorted, Volvo articulated container haulers - or Volvo articulated haulers equipped with the Light Material kit - transport the real waste to landfills. Known for their flexibility and high capacity, difficult terrain is no problem. Even here, Volvo excavators efficiently dig new load cells to receive the waste, optimize landfill space, and spread daily cover to keep it environmentally stable.

## High speed and low fuel consumption

Volvo's articulated hauler is recognized as the industry leader, providing versatile and productive operation. The differential locks and three axles in combination with high flotation tires afford an unmatched range of drive combinations for excellent traction and control, as well as high speed and low fuel consumption.

## A highly productive team

With the power and ability to work in soft and uneven ground conditions, Volvo excavators and Volvo articulated haulers comprise a highly productive team for building stockpiles and quickly moving cover to the active face of the landfill. When it comes to cell building, Volvo articulated haulers are unmatched in their

ability to traverse the rough terrain and tackle the tough grades and dumping angles required to construct the cell. Coupled with the fuel efficiency and productivity of the Volvo excavator you have an unmatched pair for producing cells in the most productive way.

## Efficiency and perfection

In the landfill, Volvo motor graders maintain the haul roads with efficiency and perfection.





# VOLVO WASTE & RECYCLING SOLUTIONS

Volvo offers a purpose-built range of machines, equipment, attachments and options. And just like you've come to expect from the Volvo name, each and every machine and equipment has quality, safety and environmental care built in. Here are a few examples tailored for waste and recycling handling.



**Automatically activated reversible cooling fan** removes debris from the cooling department without having to stop the machine for manual cleaning.



**Rear-view camera system** reduces blind spots and increases site safety and improves operator comfort.



**Cab Air Pre-cleaner** keeps the air fresh and prevents the debris from clogging the main air filter or entering the cab, ensuring productivity and operator comfort.



**Rotating amber beacon** with halogen strobe with high flash rate per minute boosts visibility even in high-dust conditions.



**Falling object guard (FOG) and Falling object protective structure (FOPS)** protect the operator and cab, enhancing safety and machine uptime.



**Radiator grille guard** protects grille, cooling fan, radiator and condenser cores from damage. It is hinged to facilitate easy cleaning and maintenance.



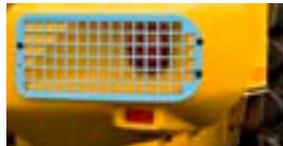
**Engine air-intake screen** prevents larger particles from entering the radiator compartment and maintains cooling performance for uptime and reliability.



**Windshield guard, side and rear window guards** protect both the cab glass and operator from debris.



Easy accessible **emergency stop button** cuts electrical power and stops engine in case of fire.



**Headlight guards and tail light guards** protect the headlights, work lights, tail lights and turn signals from debris that may break or damage the lenses.



**Heavy duty under-plating and under cab guard** designed to protect the cab, the steering valve, hydraulic connections and electrical wiring.



**Swing bearing guard** protects the swing ring bearing seal and grease piping from wires, cables and other debris.



**Dual stage engine-air pre-cleaner** separates and ejects debris back into the environment.



**Easy access radiator** allows easy cleaning and service of the radiator for increased uptime.



Volvo hydraulics power **waste attachments** and Volvo buckets for processing solid waste, stockpiling cover material or mass excavation at landfills.

# CUSTOMER SUPPORT AND FINANCIAL SERVICES

Even the best machines need service and maintenance to be as productive tomorrow as they are today. And why shouldn't your finance source be as reliable as your machine?

Both our global Customer Support organization and Financial Services delivers the values you've come to expect from Volvo.

#### **Built to run - supported for life**

Volvo Construction Equipment comes with a professional organization providing genuine parts, after sale service and training – providing you with controlled owning and operation costs. With all the products and resources at our disposal, we can offer you the best support there is. Anywhere, anytime.

#### **Four levels of support, one level of care**

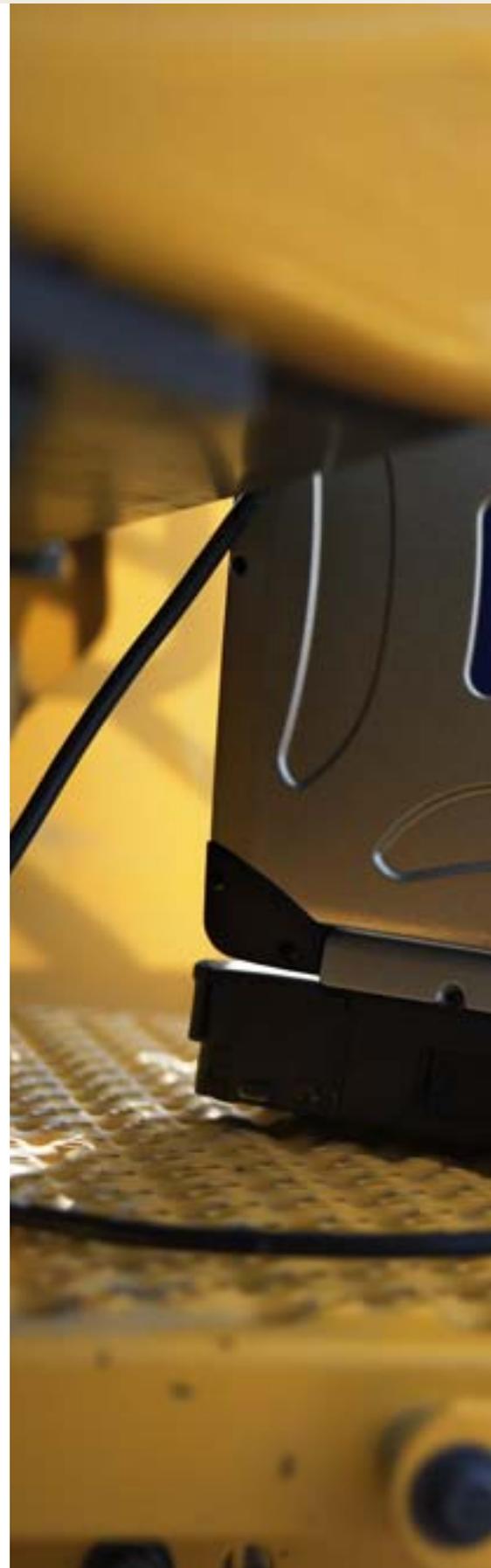
The best way to get the most out of your Volvo is to invest in a Volvo Customer Support Agreement. Since business' needs vary, we've made it easy for you to select the agreement that's right for you by creating four level of agreements: from regular machine inspections to a comprehensive repair and maintenance program that gives you total peace of mind.

#### **Dedicated to support your business goals**

Volvo Financial Services is our global solutions provider, delivering finance, leasing and service and support options tailored solely to meet the demands of Volvo customers. It is dedicated to support your business goals, and we deliver them in true one-stop shop fashion – directly through your Volvo dealer.

#### **The total Volvo solution**

We understand your industry, and as part of the Volvo family, we know Volvo products better than anyone else. Flexible finance and lease options make it easy to get your equipment working for you. Volvo insurance and contract maintenance options provide quality coverage you can count on when you need it.







Volvo Construction Equipment is different. Our machines are designed, built and supported in a different way. That difference comes from an engineering heritage of over 175 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different – **More care. Built in.**



*Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.*

# **VOLVO**

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[www.volvoce.com](http://www.volvoce.com)

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