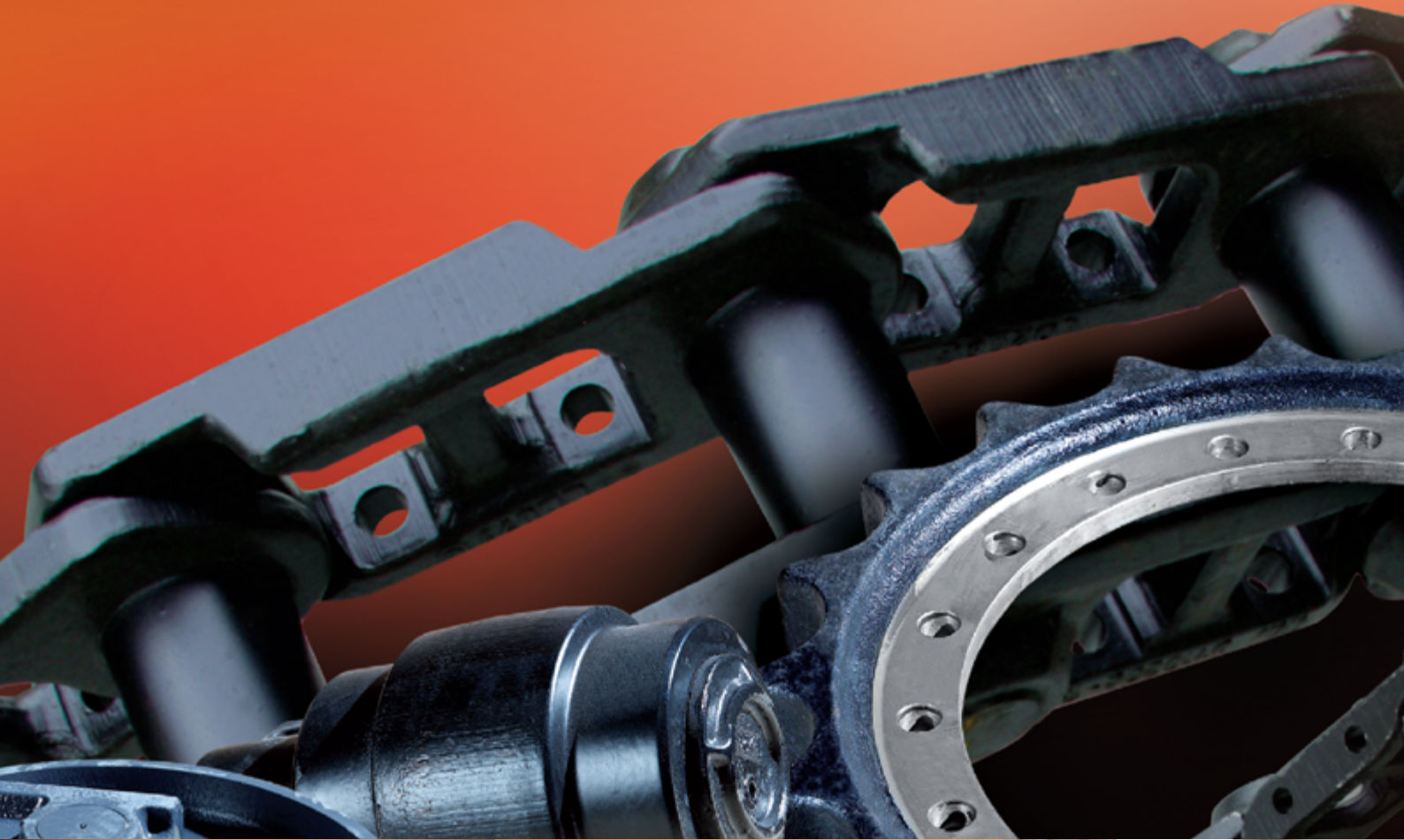


KEEP MOVING

DELIVERING GENUINE PARTS THAT WILL KEEP YOU MOVING.

GENUINE PARTS

A division of Hitachi Construction Machinery Africa (PTY) LTD



HITACHI

Reliable solutions

PART 1: HITACHI GENUINE PARTS

FILTERS & SERVICE KITS
 FLUIDS & LUBRICANTS
 UNDERCARRIAGES
 GROUND ENGAGING TOOLS
 REMANUFACTURED COMPONENTS
 BATTERIES & CHARGERS

PART 2: PRODUCT SERVICE & WARRANTIES

HITACHI.

FROM HUMBLE BEGINNINGS TO GLOBAL INNOVATOR.

The Hitachi Group was founded in 1910 by Namihei Odaira, a Japanese electrical engineer who was determined to produce original products and technologies in Japan. Since then, we have grown to supply products and services that meet the world's demands across a diversity of industries, making us a respected global infrastructure solutions company.

Although more than 100 years have passed, Mr. Odaira's drive to innovate is still permeating through our core today, with many game-changing products already achieved on an international level.

OUR LONG TRACK RECORD IN SOUTH AFRICA

Hitachi Construction Machinery Africa has been responsible for the supply and support of Construction and Mining equipment in excess of 20 years - during which we have built up considerable expertise.



SUPPORT CHAIN

We deliver a fully comprehensive chain of solutions. Hitachi Support Chain is a chain of vital after-sales services created to protect your investment in Hitachi Construction Machinery. These include Global e-Service, Technical Support, H.E.L.P. (Hitachi Extended Life Program) service contracts; and Hitachi Genuine Parts. All of which ensure end to end support for all of our customers.

Our mission is to be the leading supplier of excavators, mining shovels, rigid dump trucks and wheel loaders in key mining, construction and plant hire markets as well as becoming the preferred maintenance and care taker for all of the above. All of our products are known for reliability, performance and cost efficiency in their specific applications and carry quality assurance to international standards.

DELIVERING GENUINE PARTS THAT WILL KEEP YOU MOVING

We are proud to have a Global Parts Distribution Network that feeds into Sub Saharan Africa, allowing our customers to get exactly what they need in the shortest possible time period. We have 18 Hitachi outlets in this region who will assist your with all of your needs, all of which are centrally located for customer convenience. Our dealers are connected to Hitachi's regional distribution center via an online parts system; this provides them with visibility on stock pricing, parts availability, estimated delivery dates and more. This system allows for a speedy response and reduced lead times when processing parts orders and queries.

Using Genuine Parts has a variety of benefits including:

- Optimising the performance of your machine
- Peace of mind by negating the associated risks of using imitation parts
- Reducing the total cost of ownership on your machine
- Less downtime and lost production due to part failures
- Proven, Warranty backed quality and reliability

When you choose Hitachi Genuine Parts, you choose less downtime, you choose comprehensive end to end solutions through our Supply Chain, you choose reliable products backed by years of expertise and innovation that will keep your business moving.

RELIABLE SOLUTIONS

Built on the foundation of superb technological capabilities, Hitachi Construction Machinery is committed to providing leading-edge solutions and services to contribute as a reliable partner to the business of customers worldwide.

DEDICATION IN SERVING CUSTOMERS

We know that every customer is different and have different needs. Therefore, we work closely with dealers in each country to supply an extensive range of Hitachi products, associated parts and services to individual customers. We also provide customized training to our staff so that they can offer financial and administration solutions bespoke to all of our customers.

CONTINUOUS RESEARCH IN NEW TECHNOLOGY

We are a big believer in continuous improvement in solving problems. In order to improve safety, efficiency and reduce environmental load, we are always developing new technologies for Hitachi Construction Machinery.

FILTERS

LAST LONGER WITH COST EFFECTIVE SOLUTIONS

One of the simplest yet most effective measures you can take is to maintain the cleanliness of your machine's systems. Our oil and fuel filters will not only keep your machine exceptionally clean, but will also make its engine and hydraulic components last longer.

The superior quality of our filters will give you peace of mind knowing that your warranty will remain valid. It ensures your machines run at optimum performance levels and minimises any potential, unscheduled downtime. Expect cost savings through less downtime, greater productivity, and a higher resale value when you replace your Hitachi machine. All of our filters are supplied with Genuine O-rings and seals, increasing safety and making maintenance easier.

OIL AND HYDRAULIC FILTERS

You can easily find imitation (or "will fit") filters on the market. These filters look like genuine filters, can fit our equipment and are cheaper than Genuine Hitachi filters, but these filters may cause unscheduled breakdowns and/or reduce your equipment life. Our Genuine filters are designed to comply with our strict specifications. Genuine filters can reduce the potential of unscheduled breakdowns and costly repairs, keep your equipment running. For best results, Hitachi recommends that you use Hitachi Genuine filters.

Every hydraulic system has suspended particles in its fluid. Contaminants grind and wear at the surface of moving parts, introducing even more particles into the system. These contaminants cause more than 70% of all hydraulic system downtime.

HITACHI Genuine cartridge filters provide better protection from the particles and contaminants that reduce the effectiveness of lubricants and hydraulic fluids.

Using Hitachi Genuine filters extend filter life, allow higher initial cleanliness and provide superior system protection.

HOW HITACHI GENUINE DT FILTERS WORK

DT cartridge filters feature an advanced pleat pack design that provides higher initial cleanliness and dirt holding capacity.

Hitachi Construction machinery - Your complete hydraulic and oil filtration supplier for your Hitachi machine..... no substitutes!

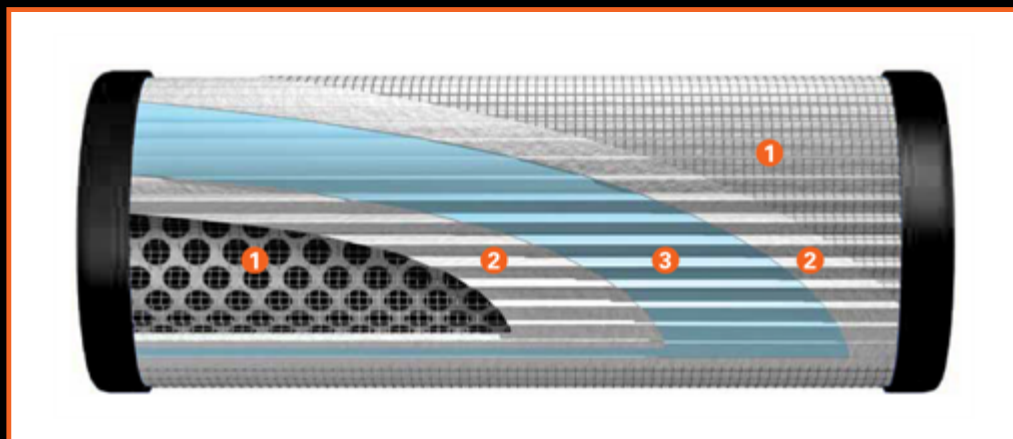
- EPOXY-COATED STEEL SUPPORT MESH (UPSTREAM AND DOWNSTREAM SIDES)**
 - Provides excellent pleat support and spacing, which allows for maximum effective media area
 - Protects against media damage during handling and installation

- MEDIA SUPPORT LAYERS (UPSTREAM AND DOWNSTREAM SIDES)**
 - Optimizes media support
 - Protects media during pressure surges

- PATENTED MEDIA TECHNOLOGY**

Patented synthetic filter media has smooth, rounded fibers for low resistance to fluid flow. Patented media is ideal for filtering synthetic fluids, water glycols, water/oil emulsions, HWCF and petroleum-based fluids.

 - High-efficiency media grades with performance to $\beta_{<4(c)}=1000$ (per ISO 16889)
 - Exceptionally low flow resistance
 - Consistent performance throughout filter life
 - Excellent fluid compatibility



FUEL FILTERS

WHY FILTER FUELS & LUBRICANTS?

Today's sophisticated Hitachi Machinery have diesel engines with increased injection pressures that require higher cleanliness levels than ever before. Hitachi Genuine Filters are designed to exceed these requirements. Hitachi Genuine Filters reduce costly component replacement, prevent unplanned downtime and prevent a decrease in fuel efficiency due to fuel injector system wear. In short, "Hitachi Genuine Filters reduces your total cost of ownership".

As diesel travels from refinery to terminal locations to local bulk storage and finally to your bulk tank on site it picks up contamination that is deadly to today's engines. Your local distributor likely delivers diesel that meets or exceeds fuel-industry standards for cleanliness. This is not clean enough for your equipment, this is where Hitachi Genuine Filters and systems come into play. The Hitachi Genuine Filters safe guard your machine, filtering dirt, water and other contaminants before they enter your fuel system, you'll eliminate costly downtime, keep running and achieve more.

AIR FILTERS

AIR INTAKE INNOVATION:

- "No matter the dust conditions or engine airflow requirements, Only Hitachi Genuine Parts and air intake systems will deliver clean air when your engine needs it most!"
- "Hitachi Machines require long lasting air intake systems with ample capacity and still be able to fit into ever shrinking system spaces."

HITACHI GENUINE PARTS DELIVER:

- Improved contaminant separation efficiency
- Increased contaminant loading capacity
- Low initial and overall airflow restriction
- Lower overall system weight
- High temperature performance proven performance and durability.

3. With Radial and Axial sealing technologies being employed depending on application and location of equipment Hitachi Genuine air cleaner products ensure cleanliness without compromising on power.



MEDIA SPACING

Ensures uniform pleat spacing, keeps filter media from bunching during operation and promotes longer filter service life.

Heavy-duty liners

Corrosion resistant, coated steel liners support the filter media during operation and maximize airflow.

Beading

Applied to filter liners, beading is designed to stabilize the media and prevent pleat tip wear.



HITACHI SERVICE KITS

ADVANCED TECHNOLOGY DELIVERS COMPLETE ENGINE PROTECTION

We offer a high level of availability of genuine parts at competitive prices to keep your machinery maintained and operating to the original specifications. For your convenience, Hitachi Genuine Parts have put together Hitachi Service Kits, which are made up of Hitachi Genuine Filters and Parts, designed and inclusive of all possible maintenance equipment you may need to utilize when servicing your machines. When buying a Hitachi Service Kit, not only do you have the peace of mind of a Hitachi Genuine Part, you have the convenience of all required filters and parts in one box – this will save you time and money in the long term as you won't be at a standstill when missing a particular part. We strive to provide the best value with every purchase.



Hitachi Genuine Parts have taken the most popular service filters and parts and packaged them into one box, helping you lower running and maintenance costs. Your Hitachi Service Kit includes Hitachi Genuine Air filters, that will keep your engines running at an optimal level no matter the dust conditions or engine airflow requirements. You will find the Hitachi Genuine air cleaner or intake system accessory will deliver clean air when your engine needs it most. Taking into account that today's engines require air intake systems that can do more and last longer, often in increasingly smaller spaces.

They need to deliver on:

- Improved contaminant separation efficiency
- Increased contaminant loading capacity
- Low initial and overall airflow restriction
- Lower overall system weight
- High temperature performance
- Proven performance and durability

The Hitachi Service Kit include Hitachi Genuine Air filters, to keep your engines running at an optimal level. Contact your nearest Hitachi Dealer for more details on the Hitachi Service Kits.

FLUIDS & LUBRICANTS

KEEP YOUR MACHINERY RUNNING, WITH OILS PROVEN TO LAST AND COOLANTS FOR EXTREME TEMPERATURES

To ensure you get the best performance from your construction equipment, our Hitachi R&D team has developed a range of products that protect individual components within your machine, as well as increase overall reliability and productivity. Hitachi Genuine Oils are proven to last longer than other oils and will also reduce your running costs. The range includes engine, hydraulic and gear oils, as well as axle oils for ZW wheel loaders. If your machine works in extreme temperatures, using Hitachi Genuine Long Life Coolant will protect it against rust and corrosion.



ES COMPLEAT™

HEAVY DUTY FULLY FORMULATED ANTIFREEZE/COOLANT

GENUINE PERFORMANCE

- Extended service coolant
- Provided antifreeze and antifoil protection
- Superior liner pitting and corrosion protection
- Superior aluminum and solder protection
- Capable with gaskets, elastomers and other non-metallics in the engine
- Optimise cooling system performance and water pump life
- Contains proprietary scale inhibitors

GENUINE VERSATILITY

- Compatible with all other antifreeze/coolants
- For all heavy Duty diesel and gas engines

GENUINE SERVICEABILITY

- Additive levels easily maintained via DCA4 liquid, or DCA chemical filters
- Easy to use test strips monitor glycol and additive levels providing protection against coolant dilution

HITACHI GENUINE HYDRAULIC OIL

EXTEND DURABILITY - KEEP PERFORMANCE HIGH AND COSTS LOW SO YOU CAN GET ON WITH THE REST

Our research has shown that 90% of hydraulic component failure can be traced to problems with the hydraulic oil, such as using old or contaminated oil. However, by using Hitachi Genuine Hydraulic Oil, specially designed for use in Hitachi Construction Machinery, it will keep your equipment functioning at peak levels, will protect hydraulic components from wear, and will reduce your oil cost, thanks to its long life (4,000 hours*).
*If not mixed with other brands.

Hitachi Genuine Hydraulic Oil TP46 extends oil change intervals thanks to its 4,000-hour life span. It also gives superior low-temperature performance, greater fuel efficiency and is more environmentally friendly than other oils. Changing attachments frequently, particularly in dusty environments, can lead to oil contamination. So we developed Hitachi Genuine Hydraulic Oil TP46 especially for machines using multiple attachments, including breakers. And thanks to its high viscosity index, it is also perfectly suitable for hot climates. The recommended oil change interval for breaker attachments is 1,500 hours, and 2,000 hours for other attachments.

FEATURES

We designed our equipment, and that's why we can develop the hydraulic oil that best matches it. Listed below are the features of Hitachi Genuine Hydraulic Oil. Most Hitachi equipment comes with our Genuine Hydraulic Oil when shipped from the factory. You should continue to use Hitachi Genuine Hydraulic Oil to get maximum performance from your equipment, and also to reduce your hydraulic oil cost.

HYDRAULIC OIL 46TP:

- Hitachi Genuine Hydraulic Oil 46TP is so advanced, it improves performance, provides increased protection even under high load conditions
- Superior sludge control that protects equipment from wear
- Superior resistance to heat, reduces operating temperatures
- Better fuel efficiency and environment friendly
- Hydro-cracked base oil through advanced refining technology + Zinc-free additives = 4,000-hour superior performance
- Hitachi Genuine Hydraulic Oil 46TP is so advanced, it improves performance, provides increased protection even under high load conditions
- Exclusively Formulated and Developed by Idemitsu in Japan for Hitachi Construction Machinery

HITACHI GENUINE ENGINE OILS

ENHANCE PERFORMANCE - KEEP YOUR ENGINES PERFORMING AT HIGH SPEED

Our engine oil is blended to ensure the optimum performance of your machine and tailored to suit its specification. Hitachi Genuine Engine Oil DH-1 has been designed especially for use in Hitachi Construction Machinery engines, with or without muffler filters. It is ideal for the latest emission standard engines installed in our ZX-6 and ZW-6 machines. For Zaxis-3 and older models, Hitachi Genuine Engine Oil DH-1 is recommended.

SUPER WIDE DH-1 15W-40

High performance Diesel Engine Oil ensures clean engine, free movement of mechanical parts, offers excellent protection in continuous high speed operations.

- Long engine life
- Reduces sludge
- Reduces environmental load
- Actual tests done at Hitachi Japan confirmed exceptional performance

HITACHI GREASE EP-2

High Quality Lithium Base Grease specially formulated to provide outstanding lubrication performance in Hitachi Construction Machinery and heavy duty machinery, specially designed to use in all Hitachi Construction Equipment.

- Usage temperature range : -20 C to 130 C
- Suitable for all types of Hitachi Construction and Mining equipment.
- Exclusively formulated and developed by Idemitsu in Japan for Hitachi Construction Machinery
- Specially formulated with highly refined mineral oil with various additives such as anti-rust agent and extreme pressure (E.P.) agent.

HITACHI PREMIUM ORANGE 15W-40

- Superior diesel engine oil for mining machines that ensures reduced maintenance and longer engine life
- Most suitable engine oil for Hitachi Mining Machines
- Specially designed engine oil for large excavators and rigid dump trucks
- Certified to meet both the Cummins CES20077 and the MTU category 2 standards
- Exclusively Formulated and Developed by Idemitsu in Japan for Hitachi Construction Machinery

Both Genuine oils meet strict JASO (Japanese Automobile Standard Organisation) criteria. These are standards for engines manufactured in Japan and used in large excavators with continuous high-speed operation. Due to the harsh conditions in which your construction machinery operates, it's vital to use the correct oil and replace it periodically – even the highest quality engine oil deteriorates over time.

HITACHI GENUINE GEAR OIL

GET INTO GEAR - DON'T LET TEMPERATURE SLOW PRODUCTIVITY

Using Hitachi Genuine Gear Oil can help to significantly reduce your maintenance costs. It reduces wear of gears and bearings

Having original LW base oil, special friction modifiers, detergent dispersant, antioxidant and viscosity index improvers, Hitachi Genuine Gear Oil is highly adaptable to changes in temperature. It allows for smooth oil circulation at low temperatures and enhances the strength of oil film at high temperatures. It also improves fuel consumption, thanks to an excellent friction specification.

GEAR OIL GL-4 90

- High Quality Gear Oil that protects gears working at heavy loads against any damage, provides protection at high temperature and saves on maintenance cost and fuel consumption
- Excellent low-temperature specifications to prevent problems at low temperatures
- Superior protection against premature wear & tear of all moving parts
- Significant improvement in fuel consumption performance.
- Ensures smooth & positive shifting under severe working conditions
- Exclusively formulated and developed by Idemitsu in Japan for Hitachi Construction Machinery

HITACHI GENUINE AXLE OIL FOR ZW-SERIES

PROTECT YOUR WHEEL LOADER - WHEN THE HEAT IS ON

This oil guarantees an excellent performance, even when your wheel loader works for long hours and under harsh conditions. Manufactured specifically for our ZW models, it offers extreme pressure capabilities and heat resistance.

Stable at high temperatures, it ensures the axles of your ZW wheel loader will perform consistently over a long period of time, high speeds, under heavy loads, as well as for long-distance travelling. Gears are protected from damage due to its anti-abrasive capability, providing greater durability. Equipped with advanced extreme-pressure capability- the oil film also enhances the protection of each gear part.



HITACHI GENUINE UNDERCARRIAGES

HIGH-QUALITY MATERIALS FOR HIGH-QUALITY PERFORMANCE

The undercarriage of your Hitachi Excavator is not to be underestimated – it's vital to keep it in optimum condition and its components must be extremely durable. Using Hitachi Genuine Undercarriages will ensure that your machine works safely and efficiently, with high levels of productivity for a lengthy period, and low running costs. Like all Hitachi Construction Equipment, our undercarriages are manufactured using high-quality materials to guarantee a reliable performance. They are tested under the toughest conditions, designed, and engineered specially for your Hitachi machine.

Why use Hitachi Genuine Undercarriages:

- **High-quality and reliable components** - developed using decades of engineering expertise
- **Tested under the toughest conditions** - they can withstand extreme stresses and will give your excavator a superior performance
- **Designed and engineered specifically for Hitachi machines,** reliable, every time.

GET MOVING WITH RELIABLE AND EFFICIENT GROUND ENGAGING TOOLS

Our ultra-large excavators are already renowned for their reliability, but with our Hitachi Genuine Ground Engaging Tools (GET), you can expect even greater productivity from your fleet.

Ground Engaging Tools (GET) are important for protecting your blades, buckets, and ripper shanks. Hitachi and Bradken provide you with the tools you need to ensure long life for your equipment.

THE FEATURES

We have various kinds of GET to fit your choice of working style or site. We offer lips, teeth, shrouds, and rippers that meet the strict quality standards of Hitachi. Every Genuine tooth is tested carefully before shipment for perfect fit to the Hitachi Adapter. While other makers leave gaps which cause jiggling or pressure, our teeth fit perfectly, preventing both wear and detachment. All bucket teeth are inspected to ensure excellent resistance against wear and shock. The Genuine Hitachi Tooth has an even distribution of adequate hardness on the inside, on the surface and at the edge as well as the root, ensuring excellent resistance to wear and shock. This kind of durability gives you high reliability that will save you time and money.

- Manufactured from high-grade steel and tested to the same high standards as all Hitachi Construction Equipment, our GET are specifically engineered for hard rock mining applications. They improve penetration and enhance the overall digging power of your Hitachi Excavator
- Ease of installation and removal reduces the time required for fitting replacements, minimising downtime and lowering your maintenance costs.
- From lip, wing and heel shrouds, to adapters and corner adapters, Hitachi GET cover all parts of mining excavator buckets. You can choose from five types of reversible teeth to suit your mining operation, from general purpose to heavy-duty options
- Ideal for shale and clay, the Sabre Tooth ensures maximum sharpness and wear life
- If your excavators work with sand or blasted materials, the Long Penetration type is an excellent choice
- Rock Penetration teeth have the best all-round point design for heavy and high-impact conditions
- In extremely rocky environments, the Heavy Penetration teeth can achieve maximum productivity
- Xtra Penetration is used in compacted clay, unweathered soil and heavy frost conditions

BRADKEN

BRADKEN EMBRACES NEW TECHNOLOGIES THAT HELP PRODUCE WORLD-CLASS PRODUCTS

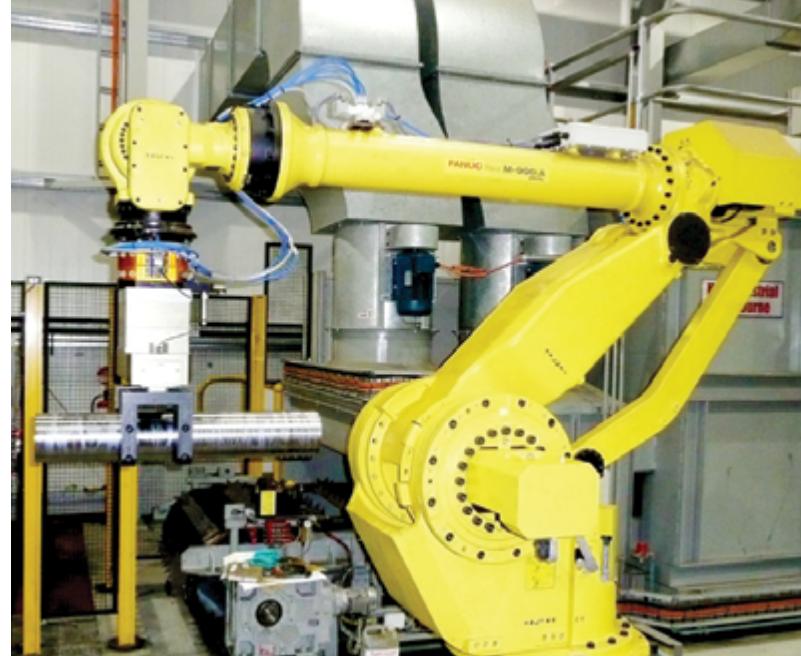
Bradken has a reputation for producing high quality and innovative products which result from understanding the customers' operating conditions, with a willingness to customize and a long-standing track record of providing superior performance products. Based on these qualities, Hitachi has collaborated with Bradken, ensuring Hitachi customers get the same high quality product that they expect from Hitachi Genuine Parts.

Bradken provides a full range of components for the undercarriage equipment, including:

- Crawler Shoes / Track Pads
- Drive Sprockets / Drive Tumblers
- Front Idler Assemblies
- Load Rollers / Bottom Rollers
- Return Rollers / Top Rollers
- Sliders, Pins and other components

Bradken can provide DRP (Direct Replacement Parts) as well as manufacturing and supplying a number of proprietary products to suit a large range of machines.

- **Opti-Trak®** product range developed for the Hitachi hydraulic excavator platforms. Opti-Trak shoes are supported by Bradken's patented pillar of strength, exhibiting greater structural integrity for superior wear life. This range offers increased service life and operational performance, reduced down time and OEM Interchangeability.
- **Evolution®** product range developed to overcome the shortfalls in traditional design for the Caterpillar hydraulic excavator platforms. The continuous roller path design enhancement reduces metal flow in the shoe, extending the life of the undercarriage. This range offers increased service life, increased wear resistance and reduced down time.
- **Ovation®** product range designed for the Caterpillar and P&H electric rope shovel platforms. Ovation shoes are supported by Bradken's patented pillar of strength, providing superior roller path reinforcement and increased service life. This range offers increased wear resistance, increased operational performance, reduced down time and OEM Interchangeability.
- **Ultiroller®** load roller range designed to achieve maximum undercarriage life with lower operating temperatures for Caterpillar hydraulic excavator platforms. The self-contained assembly provides increased safety and ease of installation on the machine. This range offers increased service life, ease of installation and reduced wear resistance.



BRADKEN OFFERS AN EXTENSIVE RANGE OF COMPLEMENTARY UNDERCARRIAGE COMPONENTS INCLUDING:

- Sprockets
- Idlers
- Sliders
- Load and return rollers

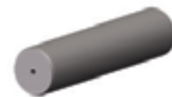
SPROCKETS AND IDLERS

Depending on the platform, Bradken sprockets and idlers are made from either high grade, high quality, induction hardened material or quench & tempered high grade alloy providing increased impact and wear characteristics. Hardness levels of the wear surfaces are matched to the mating components whilst retaining a ductile core that is able to absorb impact. CNC machined surfaces and the use of superior quality components ensure that the replacement



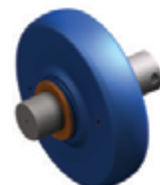
PINS

Precision machined by the world's largest manufacturer of mining class crawler shoes, the Bradken range of crawler shoe pins provide a tough and effective solution to the harsh operating environments experienced in the mining industry. The quench and tempered alloy steel utilized is a tougher alloy. This results in reduced incidences of pin breakages. Each pin is individually induction hardened as part of the manufacturing process. The hardened outer case and tough ductile core reduces pin wear whilst maintaining optimum core strength. The fully automated, quality assured production process ensures greater consistency and reliability of components.



LOAD AND RETURN ROLLERS

The Bradken designed and manufactured range of load and return rollers has been developed for optimal wear in all mining environments. The range incorporates features designed to ensure maximised wear life and minimised downtime. Bradken manufactured rollers have a forged one-piece CrMo steel roller shell. The inclusion of high quality, spun cast manganese bronze bushes and NiCrMo grade axles offers superior wear and impact resistance. Component life expectancy is further enhanced by induction hardened wear surfaces.



FACE SHOVEL BUCKETS

Bradken designs and manufactures a range of jaw fronts and doors for large hydraulic face shovel machines.

Bradken Avalanche™ Face Shovel Buckets are engineered to suit OEM connections without the need for modification and utilise the Penetrator™ cast lip system.

BENEFITS:

- Reduced maintenance costs
- Minimal downtime
- Low maintenance
- Increased bucket availability
- Increased production



EXCAVATOR BUCKETS

Bradken Avalanche™ Excavator Buckets are designed to meet customers' production and maintenance requirements. The Avalanche Excavator Bucket provides quality, reliability and performance for when it comes to stripping out overburden, loading loose material, top loading or mass excavating.

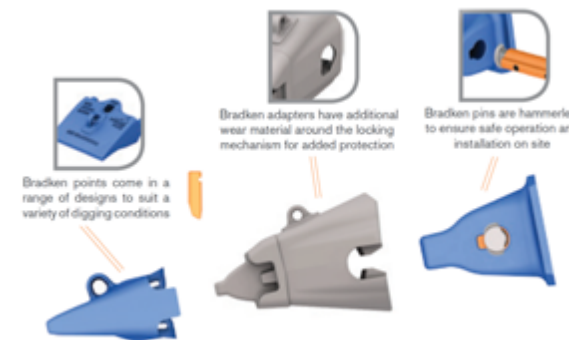
BENEFITS:

- Increased bucket life
- Reduced maintenance costs
- Improved production
- Less downtime



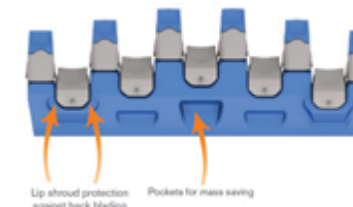
PENETRATOR

Bradken's Penetrator™ is a complete lip arrangement featuring a cast lip, adapter and point or cast lip and solid point. Designed to meet the world's toughest digging conditions for Dragline, Face Shovel, Hoe Excavator and Dredging applications, the Penetrator adapter offers safety as a priority, incorporating a completely hammerless design that can be retrofitted to cast lip noses. The Penetrator point is engineered to fit onto the Penetrator adapter and can replace a number of GET offerings as a Direct Replacement Part (DRP) with Bradken's extensive range of point designs. Changing systems is unnecessary, simply the Penetrator adapter and/or Penetrator point using the Bradken locking pin.



PENETRATOR™ CAST LIP

Bradken's Penetrator Cast Lip has been designed and engineered as a superior product to current market offerings. By evaluating our design with extensive Finite Element Analysis (FEA), Bradken has developed a quality lip that suits Bradken Avalanche and OEM buckets, meeting all mine site requirements. The cast lip has been designed around high penetration and provides durability in any application.



FRONT END LOADER (FEL) BUCKETS:

Bradken has a full range of Avalanche™ Front End Loader (FEL) Buckets built for durability and performance in all conditions for excavating, rehandling and stockpiling.

BENEFITS:

- Increased production
- Increased bucket life
- Reduced maintenance costs
- Reduced tyre consumable costs
- Increased machine availability
- Reduced machine downtime



TWISTLOCK™

Bradken's Twistlok™ is a Mining and Construction sized GET system offering a comprehensive range of point designs to suit every application. The Bradken Twistlok system features a positive locking point to adapter nose relationship, maximising the surface contact to ensure even distribution of digging forces throughout the system. Bradken believes the Twistlok system offers superior performance in the most extreme conditions, with the locking pin's unique metal and bonded rubber allowing for maximum positive retention throughout point life. Bradken's Twistlok system is able to be placed immediately on any adapter with a helix style nose using our unique locking pin.



TWISTLOKPRO

Twistlokpro is the next evolution in Bradken's Plate Lip GET system for mining class excavators, rope shovels and front end loaders. Combined with Bradken's design expertise in lip design, Twistlokpro provides you with the benefits of:

- Fast and safe installation with a hammer free installation of the point and locking pin
- Further prolonging the life of your adapter by including (optional) common wear caps on both the top and bottom leg, including straddle leg adapters
- Increased point life from improved point styles
- Safe removal of adapters with lifting points that are protected from material wash and damage

Interchangeable with existing Twistlok adapters and competitor's with a helix style nose

The additional benefits of using a full Bradken Twistlokpro system is the added wear cap feature, which provides your adapter with additional protection, while providing you with a full range of point designs.



DEFENDER

Bradken's Defender™ is designed to meet the world's toughest digging conditions. The Defender shroud system is designed to fit a wide array of mining excavator, face shovel, front end loader and construction machines using plate and cast lips. Defender can be utilised on plate lip sizes from 40mm to 160mm (1.6inch to 6.3inch) and wing sizes ranging from 40mm to 140mm (1.6inch to 5.5inch).





HITACHI REMANUFACTURED COMPONENTS

GET BACK TO WORK FAST WITH COST-EFFECTIVE TRIED AND TRUSTED HITACHI REMANUFACTURED COMPONENTS.

FEATURES

Hitachi has an authorized component remanufacturing facility in the Southern Africa region. In this facility each component is rebuilt and extensively tested following strict Hitachi guidelines to guarantee performance.

This allows for customers to have access to high quality parts, expected from Hitachi Genuine and Hitachi Select, but at a reduced cost. These components perform like new components, but are priced lower and come with a factory warranty.

Remanufactured components available to keep you moving:

- Engines
- Transmissions
- Drive shafts
- Hydraulic cylinders
- Pumps and Motors
- Gear drives
- AC drives

If you want to purchase remanufactured component, please contact your nearest Hitachi dealer.

To succeed in this competitive industry, you rely on the maximum uptime and performance of your fleet. Margins are small, and completing a project on schedule is often the difference between profit and loss. You can depend on our Hitachi Remanufactured Components as a cost-effective way to keep your machine working well, as part of preventative maintenance, or if you need to get back up and running as quickly as possible. As an OEM high-quality solution, Hitachi Remanufactured Components are another way we can support your equipment, and help to lower your costs. Tested to the same exacting standards as new parts and meeting the latest specifications, they are an economical option and easily available from our Remanufacturing Centre.

- Hitachi Remanufactured Components use Genuine Hitachi Parts, tested to the same high standards as new components.
- You receive a warranty with your Remanufactured Component – just as you would with new components.
- Hitachi Remanufactured Components lowers maintenance costs and minimises unscheduled downtime.
- Remanufacturing components helps us to reduce waste and save resources, by minimising our need for raw materials. The core product is rebuilt and supplied back into the market.
- Our remanufacturing programme works like an exchange system – if you buy a Remanufactured Component from our stock, we ask you to supply your used component (core) to us, via your local dealer.
- Our skilled Remanufacturing Centre workforce will assess your used component and evaluate it for repair. After disassembly, used products are carefully replenished with new or salvaged parts if required, then expertly assembled, checked and tested to Hitachi's high quality standards. With the same specifications as a new component, Hitachi Remanufactured Components are sold with a twelve-month, unlimited hours warranty.

If you want to purchase remanufactured components, please contact your nearest Hitachi dealer.

HSP: HITACHI SELECT PARTS

If you need to replace parts on your Hitachi machine, you can now choose between two high-quality and cost-effective options: Hitachi Genuine Parts and Hitachi Select Parts. Hitachi Genuine Parts increase the value of your Hitachi Machine, whilst Hitachi Select Parts cost you less. Hitachi Select Parts are tested to the same high Hitachi standards for reliability and durability. Hitachi Select Parts are chosen for maximum performance, whilst ensuring your overheads are lower. They come with a manufacturer's warranty, just like Hitachi Genuine Parts, providing you with value and peace of mind.

ISUZU BEST VALUE PARTS

Isuzu's second brand service parts, ISUZU BEST VALUE PARTS (or second genuine), has been introduced to overcome the competition with various non-genuine parts manufacturers/suppliers in your market.

BVP are OE quality items approved by Isuzu Motors Japan. These items are 100% interchangeable with the Isuzu Genuine parts.

Available your Hitachi Dealer.

HK INJECTORS

Hitachi Original Equipment Injector sets for ISUZU HK engines. Purchase an injector set to match your engine be it a 4 or 6 cylinder, pre packed for your convenience.

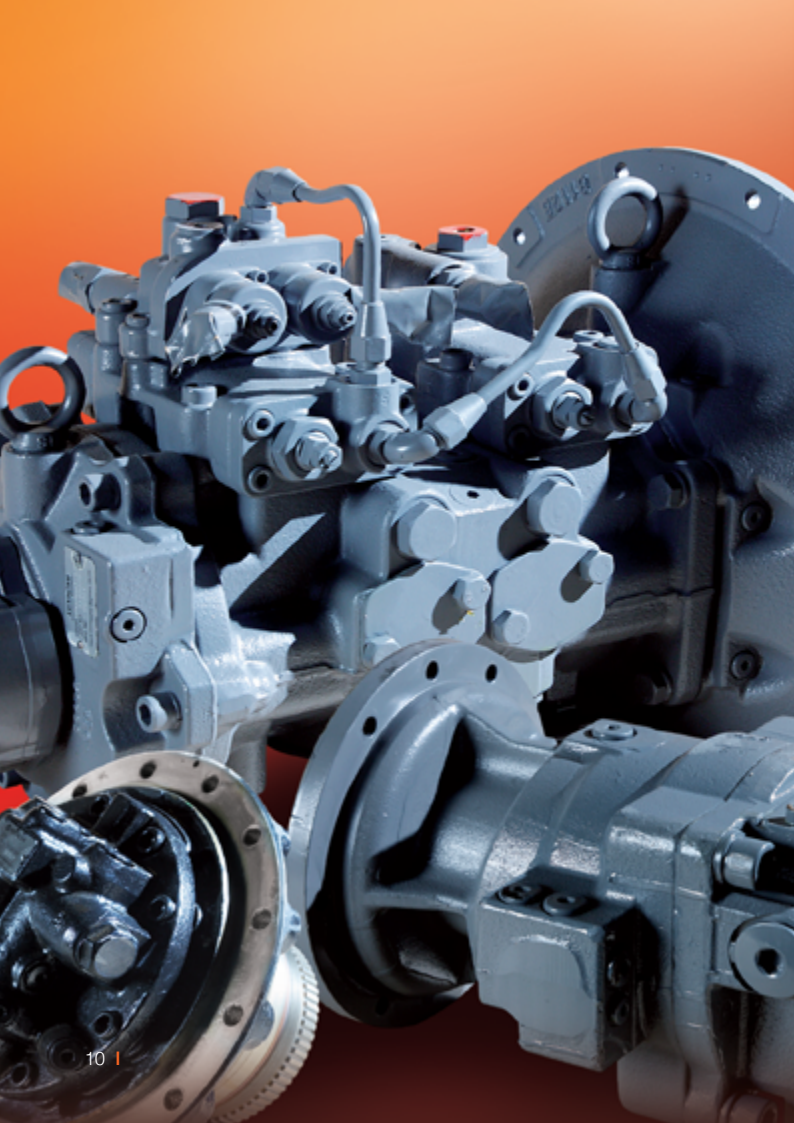
Bulk discounts have been applied to these Injector sets. Bulk purchase price greatly reduced against individual pricing. A revival of performance and power at a reasonable price.



6WG1 Series



HK Series



HEAVY DUTY PREMIUM COMMERCIAL BATTERIES

RECHARGE AND GET GOING WITH A VARIETY OF HEAVY DUTY BATTERIES AND CHARGERS

WHY USE THESE BATTERIES?

- Maintenance-free
- Optimal for starting large engines
- Reliable source of energy for vehicles with lots of electronic devices
- **Made in Europe** – Best in class manufacturing- in line with the highest quality standards
- **CA 100 Technology** – Calcium alloy ensures long life performance
- **Stamped Grid technology** – Grid technology that is more corrosion-resistant
- **Labyrinth lid technology** – Extremely safe through a unique labyrinth lid, AME arrestor and special caps
- **Max Cold Start** – Maximised cold start performance for large engines
- **Climate proof** – Built for high performance & longevity in hot climates

The full range of batteries and chargers are available on request from your local Dealer

BATTERY CHARGER TYPES: HEAVY DUTY OPERATION

CTEK I-2420
Industrial charging for a range of battery types

CTEK I-2440
Industrial charging for a range of battery types

BATTERY SENSE
Smart battery health monitor

SMALL & MEDIUM OPERATION

MXT 4.0
Provides easy charging for 24 V batteries

MXT 14 24V
Professional battery care for 24 V batteries

MXTS 40 12&24V
Charger and battery support unit



PART 2 PRODUCT SERVICE AND WARRANTIES



SOLUTIONS FOR AFRICA. IN AFRICA. BY AFRICA.

The HCAF* Group covers Southern Africa with Parts and After Sales Support through an expansive dealer network in strategic locations, offering SPECIALIST SUPPORT to new and existing Hitachi customers. Our dedicated team of highly skilled support staff are always ready to offer Reliable Solutions to Mining and Construction customers

*Hitachi Construction Machinery Africa (Pty) Ltd

QUALITY SELLS MACHINES. SUPPORT SELLS RELIABILITY

At Hitachi Support Chain we understand your business. From the largest mining customer to the smallest plant hire business. Reliable Solutions. That's what we're all about.

OUR DEALER NETWORK OFFERS THE FOLLOWING AFTERMARKET SUPPORT SERVICES:

- Preventive Maintenance – a dedicated team to serve your maintenance needs
- Field repairs – we come to you
- Maintenance Contracts – Tailor-made solutions that work for you
- Customer Support – a dedicated team that look after your needs
- Operator Training – Hitachi specific training to ensure optimum usage
- Technical Training (Dealers and Customers) – machine specific training to ensure maximum reliability
- HELP (Hitachi Extended Life Program) – Extended warranty and Hitachi Oil Analysis
- ConSite – remote machine monitoring. 24hours a day. 365 days a year
- Product Support Specialists – highly skilled specialists that travel the globe

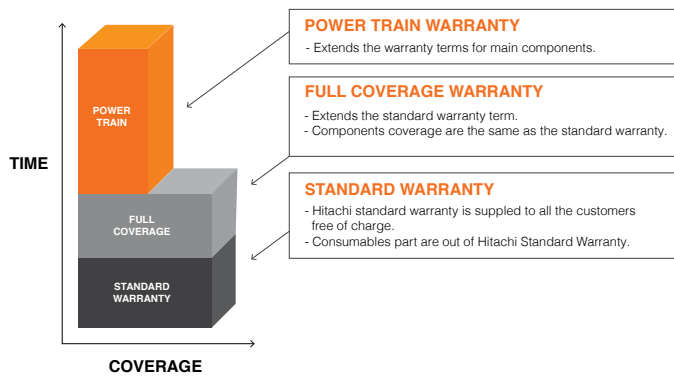
H.E.L.P HITACHI EXTENDED LIFE PROGRAM

MACHINES AREN'T BUILT TO LAST FOREVER. **BUT WE SURE TRY.**

EXTENDED WARRANTY

In addition to the extended warranty offered as standard on all new Hitachi machines, you have to option to extend your factory coverage. Two types of Extended Warranty are offered.

- FULL COVERAGE** – an extension of the standard warranty for complete peace of mind.
- POWERTRAIN WARRANTY** – covers your powertrain for longer.



HITACHI OIL ANALYSIS

Regular check-ups on your equipment are vital. Receive your analysis reports via e-mail, SMS or by phone call (on request). It's like having your own tribologist at your disposal. Own a mixed fleet? No problem. We will analyse your entire fleet.

Please contact your local dealer for more information.

IT'S OLD. WE KNOW. BUT WE STILL CARE.

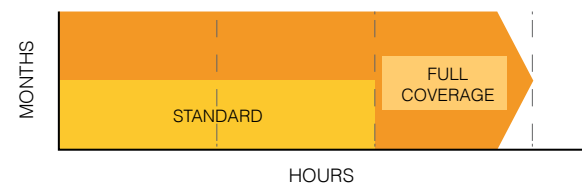
Regardless of the age of your Hitachi machine, we'll support it. Offering you maximum availability, optimum production and total peace of mind. Now that's Reliable Solutions working for YOU.

The Hitachi Dealer network offers the following services for machines that exceeded their STANDARD and EXTENDED warranty period:

- Equipment Inspections and condition reports
- Customer Support visits
- Hitachi Genuine and Select Parts
- Product Support
- Field repairs
- Machine rebuilds
- Preventive Maintenance
- Solid advice on maintenance practices
- Product Training
- Operator Training
- Hitachi Oil Analysis

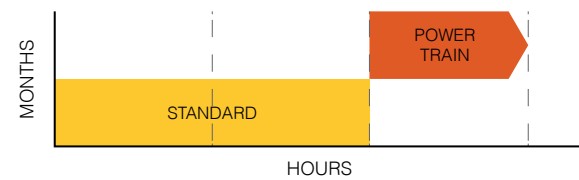
FULL COVERAGE

When a customer purchases Full Coverage, the coverage is effective from the Standard Warranty start date, until the end of the full purchased coverage period.



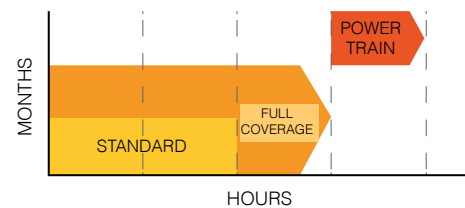
POWER TRAIN

When a customer purchases Power Train coverage, the coverage is effective immediately after the expiration of the Standard Warranty date, until the end of the purchased coverage period.



FULL COVERAGE + POWER TRAIN

When a customer purchases Full Coverage and the Power Train coverage, the coverage for Full Coverage is effective from the start of the Standard Warranty, and run until the end of the purchased coverage period. The Power Train coverage will become effective immediately after the expiration of the Full Coverage date, until the end of the purchased Power Train coverage period.



THE BENEFITS

- Minimise the payment of repairs for unforeseen harm
- Predict the expense of maintenance
- Repairs are done by an authorised Hitachi distributor using Hitachi Genuine Parts



KEEPING YOU COVERED

ConSite is Hitachi's state-of-the-art remote monitoring system. Keeping you informed of your machine's condition, regardless of the location.

DATA REPORT SERVICE

- EVERY MONTH** - Receive operation reports with advice via e-mail
- MACHINE EMERGENCY** - Receive Emergency Alarm notifications via e-mail

The monthly report notifies on each machine's operation status, and the alarm report notifies on alarm information. These two types of reports allow you to visualize the operation status of your machine, and monitor your machine's day-to-day operation status in order to maximize machine availability.

A. MONTHLY REPORT

A detailed report of the operational status for each machine will be sent to the registered e-mail addresses every month.

BENEFITS

- Monthly operational information helps you to analyse the operational efficiency of your machine and improve overall machine-operation status
- Each machine's operational information can be shared with Hitachi authorized dealers, enabling a stable operation for your machine

KEY ITEMS INCLUDED IN THE REPORT

- Operation status compared with the regional average
- Operation time by part
- Coolant and hydraulic oil temperatures
- Various advice comments

B. ALARM REPORT

If the machine's alarm goes off and the problem requires urgent attention to prevent downtime, an emergency alarm report will be sent to the registered e-mail addresses.

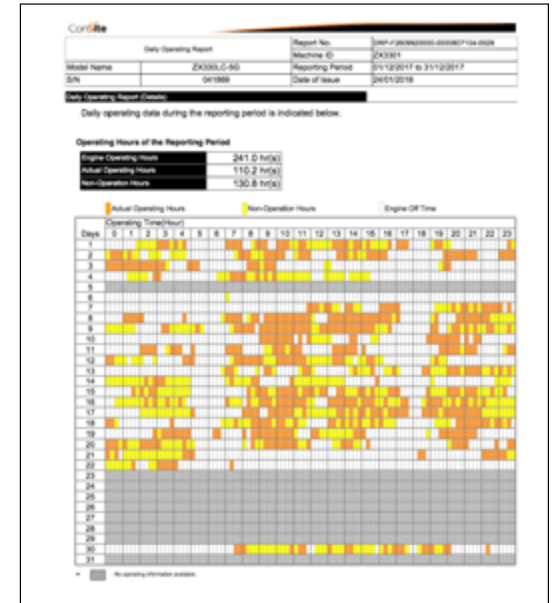
BENEFITS

- Information of an alarm requiring urgent attention can be shared by the operator and owner, so that the necessary measures can be taken
- Alarm information can be shared with your dealer as well, to enable smoother co-ordination and reduce your machine's downtime

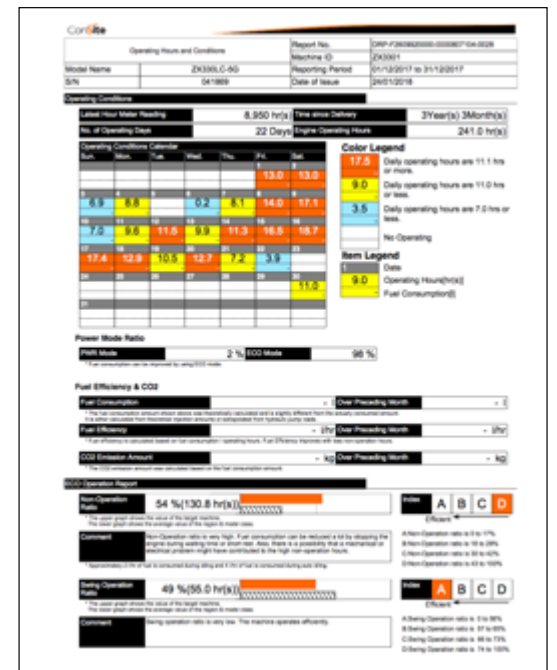
KEY ITEMS INCLUDED IN THE REPORT

- Model name / S/N
- Hour meter
- Alarm code / name
- Recommended action
- Position

*The data report service is available on machines equipped with the communication terminal.
* The data report service will be made available on 10- to 80-ton excavators.
* Contact Hitachi authorized dealers for the details of Data Report Service and machine models that are supported.
* The communication ability may depends on the situation of the worksite. Please confirm if your machine is currently communicating before having this service.
Under no circumstances shall Hitachi Construction Machinery Co., Ltd. and/or Subsidiaries and its Dealers be held responsible or liable for any communication line failure, interruption, delay in operation or transmission or any other cause of action.*



The daily operation report shows in detail when the machine is operating and idle time, which is represented by different colours in the 24-hour timeline.



The calendar's format allows you to see the daily operation times of your machine with ease. This report helps you analyse the operation trend of each machine.



The reports can be viewed on laptops, desktop computers, smartphones & tablets.

Remote fleet monitoring

Improve overall performance



KEY FEATURES

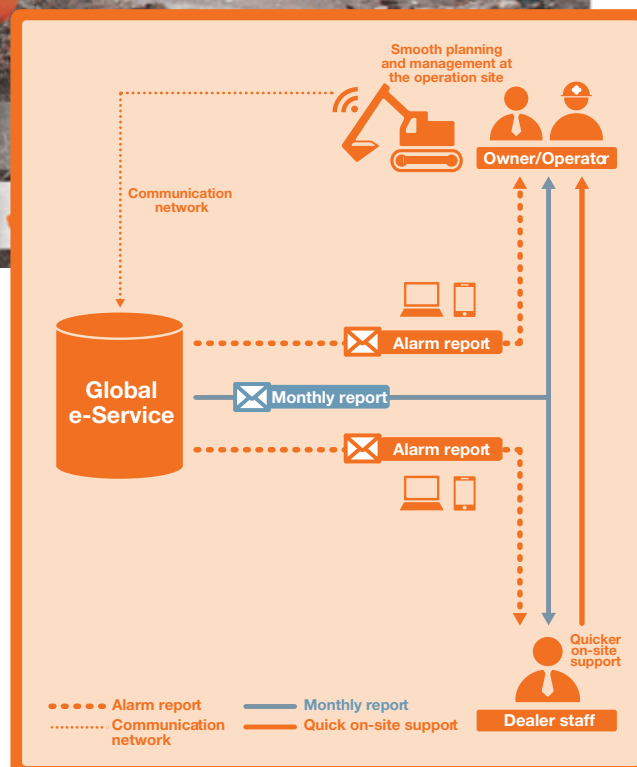
- Receive monthly operations reports with advice via email
- Receive emergency notifications via e-mail

These two reports allow you to visualise the operation status of your machine, improve the efficiency of machine management, and work closer with us.



WANT TO REGISTER YOUR MACHINE FOR A CONTRACT?

Follow the URL link or scan the QR code
www.hitachicm.com/global/consite-reportagreement



FOR DETAILS ON OUR PARTS, PLEASE GO TO:
WWW.HITACHICM.CO.ZA
OR EMAIL:
PARTS.ENQUIRIES@HCOMAF.COM

CONTACT US:

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10 Hawthorne Place, Mahogonay Ridge, Westmead | 031 792 5660 660

CAPE TOWN: Michael Smith (Parts Manager)
15 Kariga Street, Stikland, Cape Town | 021 948 7133

KIMBERLEY: Rozetta Du Plooy
62 Sturdy Street, Fabricia | 053 830 4780

KATHU: Ryno Sakoor (Parts Manager)
12 Kalk Street, Kathu | 053 723 3368

BOKSBURG: Vincent Wratten (Parts Manager)
Cnr Paul Smith & Atlas Road, Boksburg North | 011 841 7700

PHALABORWA: Mercia Steenkamp
Cnr Potgieter & Trichardt Street, Phalaborwa | 015 780 5200

LEPHELALE: Wilson Manaka
Grootgeluk Coal Mine, Farm Enkelbuldt, Lephelale | 014 763 9027

NELSPRUIT: Gideon Bester (Parts Manager)
16 Wolfaard Street, Nelspruit | 013 753 2667

BLOEMHOF: John Van Rooyen
13 Prince Street, Bloemhof, North West | 053 433 1342

MIDDLEBURG: Isaac Mashego (Parts Manager)
5 Celcius Street, Middelburg | 013 246 1550

BOTSWANA: Turbo (Pty) Ltd T/A Parts Sales Botswana
Plot 68326, Phakalane Ind P O Box 1842 Gaborone, Botswana | TEL: +267 395 7044, FAX:+267 390 8472

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MOZAMBIQUE: Movicortes Mocambique - Equipamentos E Servicos LDA
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5th Street, Industrial Area, Walvis Bay | TEL +264 64 215 800 , FAX: +264 64 209 117

ZAMBIA: Hitachi Construction Machinery Zambia CO. LTD
Kenneth Kaunda International Airport Rd | PO Box 30182, Lusaka, Zambia.
TEL: +260 211-285360, TEL:(+260) 211-28536 | FAX:(+260) 211-285362

ZIMBABWE (BULAWAYO): Machinery Exchange (Pvt) Ltd - (Bulawayo Branch)
3 Coventry Road, Bulawayo | 3 Coventry Road, Bulawayo

ZIMBABWE (HARARE): Machinery Exchange (Pvt) Ltd - (Head Office)
5a Martin Drive, Msasa Harare | 0732-138-067/8

GENUINE PARTS

A division of Hitachi Construction Machinery Africa (PTY) LTD

HITACHI

Reliable solutions

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